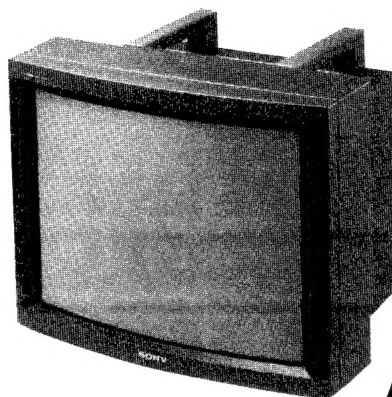


KX-2910

SERVICE MANUAL

AEP Model
Chassis No. SCC-B14Y-A



AE-1 CHASSIS

MODELS OF THE SAME SERIES

KX-2910	

Specifications

Colour system PAL, SECAM, NESC4.43 and NTSC3.58 systems

Picture tube Trinitron tube
Approx. 7.24 cm (29 inches)
Approx. 68 cm (picture measured diagonally), 110-degree deflection

Inputs

- 1: 21-pin connector, CENELEC standard
2: 21-pin connector, CENELEC standard
3: Video: BNC connectoe (1)
Audio: phone jack (2)
S: S video: 4-pin mini-DIN
Y; 1 Vp-p+3 dB, 75 ohms
C; 0.3 Vp-p+3 dB, 75 ohms
Audio: phono jack (2)
R : minijack

Output

- : phono jack (2)
2 (loop-through output): 21-pin CENELEC standard
: 2-pin DIN
8 ohms (15W+15W) MUSIC POWER
Headphone jack: stereo minijack
240V, 50 Hz
215W max.
Approx. 666 × 532 × 526.5 mm (w/h/d)
52 kg
Video connecting cord (BNC-BNC) (1)
Audio connecting cord
(2 phono-2 phono) (1)
BNC-phono adaptor plug (1)

Design and specifications subject to change without notice.



TRINITRON®
COLOR VIDEO MONITOR
SONY®


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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1

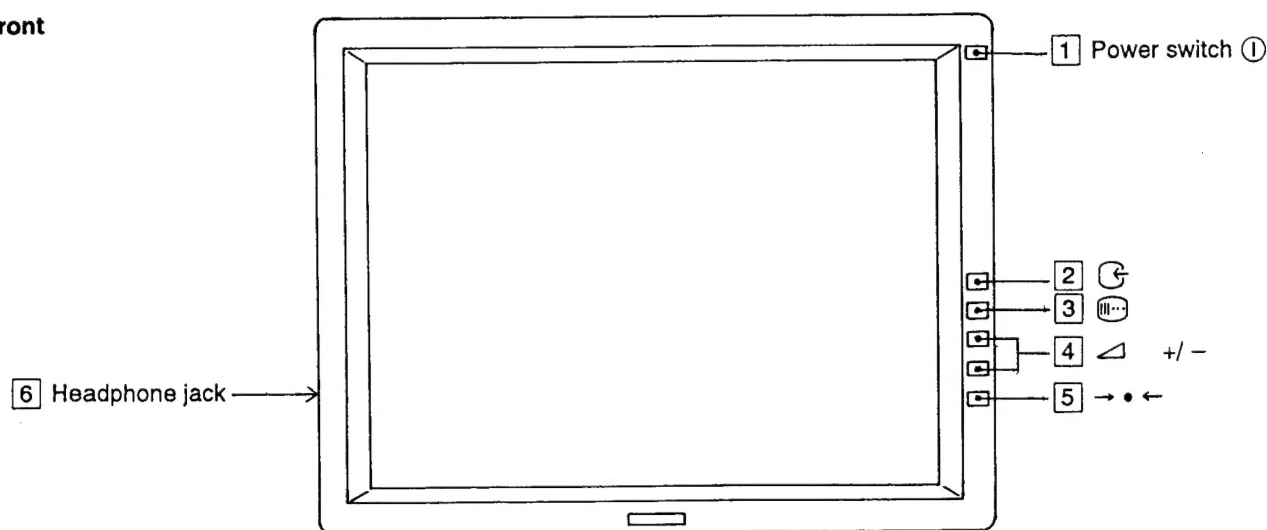
GENERAL

1-1. FEATURES

- New Microblack Trinitron picture tube for high resolution and high contrast picture
- S video input connector through which Y (luminance) and C (chrominance) signals can be input separately. This reduces interference between the two signals and ensures excellent picture quality.
- Four colour systems, PAL, SECAM, NTSC 4.43 and NTSC 3.58 can be received.
- 21-pin connectors allow direct hook-up to video equipment. One of them allows connection of a microcomputer with analog RGB output.
- BNC-type video input connector allows connection of video equipment with BNC-type video connector.

1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front



- 1 Power switch**
Press to turn on the monitor. Press again to turn it off.
- 2 (Input mode select) button**
Press to select the input source to be monitored. Each press changes the input mode indication displayed at the top of the screen as follows:
- Ⓜ 1 (AV1) → Ⓜ (RGB) → Ⓜ 2 (AV2) → Ⓜ (Y/C) → Ⓜ 3 (AV3)
- 3 (picture and sound adjustment select) button***
Press repeatedly until the picture or sound adjustment item to be adjusted appears on the screen. Each press changes the item in the following order:
- △ (volume), ● (picture contrast), Ⓜ (colour intensity), △ (hue), ☀ (brightness), Ⓜ (sharpness), Ⓜ (bass), Ⓜ (treble), △ (balance)
- The item will disappear unless the button is pressed for about 3 seconds in selecting mode.

- Ⓜ 1: Video signal fed through Ⓜ 1 (21-pin connector) will be monitored.
- Ⓜ: RGB signal fed through Ⓜ 1 (21-pin connector) will be monitored.
- Ⓜ 2: Video signal fed through Ⓜ 2 (21-pin connector) will be monitored.
- Ⓜ: S video signal fed through Ⓜ (4-pin mini-DIN connector) will be monitored.
- Ⓜ 3: Video signal fed through Ⓜ 3 (BNC connector) will be monitored on the screen.


This button is also used to select the NTSC 3.58 colour system manually.

The unit automatically selects the available colour system, but if the colour does not appear correctly while watching NTSC 3.58 video input pictures, select this system manually.










1 Keep Ⓜ pressed for about 3 seconds. The present input mode and colour system "AUTO" appear on the screen.


2 Press Ⓜ while the indications are displayed. The colour system indication will change to NTSC 3.58.

- The last selected input mode will be memorized after the unit is turned off.

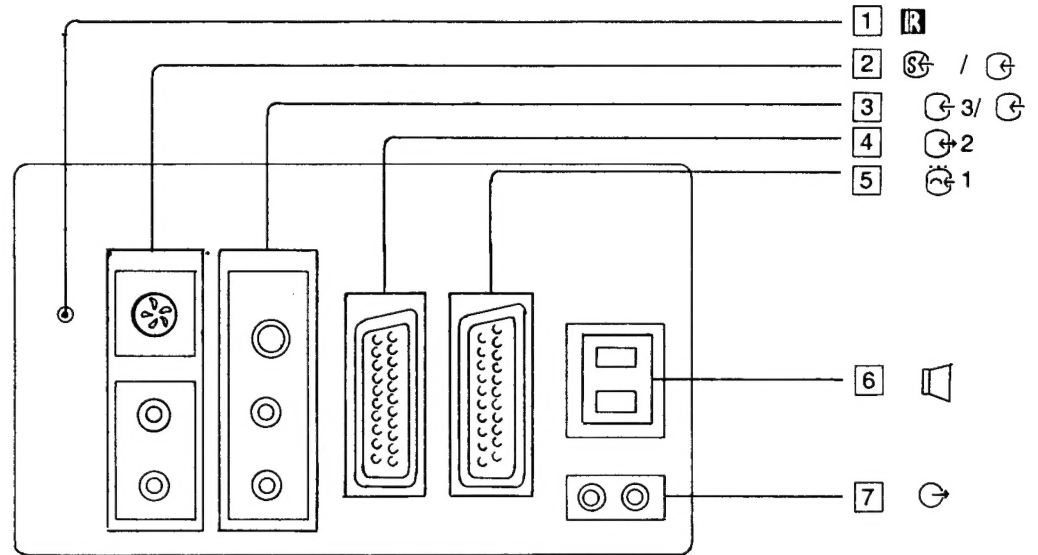
- 4**  (picture and sound adjustment level) +/- buttons
Press to adjust the selected item while the item is displayed on the screen. The segmented bar display shows the adjustment level.

Adjustments

-  : Press + for higher volume and - for lower volume.
The volume level can be adjusted only by pressing +/- without selecting this item while other adjustment item is not displayed on the screen.
-  : Press + for more colour intensity and - for less colour intensity.
-  : Press + for more picture contrast and - for less picture contrast.
-  : Press + to make skin tones more purplish and - to make them more greenish.
This adjustment functions only for NTSC 4.43 and NTSC 3.58 colour systems.
-  : Press + to make picture brighter and - to make it darker.
-  : Press + to make picture sharper and - to make it softer.
The sharpness adjustment does not function for RGB input pictures.
-  : Press + to increase bass response and - to decrease it.
-  : Press + to increase treble response and - to decrease it.
-  : Press + to emphasize the right speaker's volume and - to emphasize the left speaker's volume.

- 5**  (reset) button
Press to reset all picture and sound adjustments to the factory-set levels.

Rear

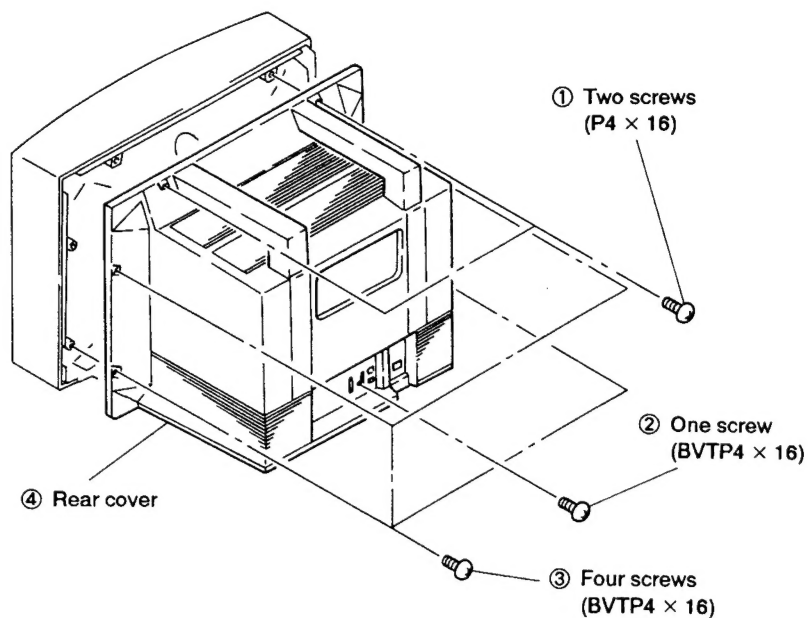


- 1** **(control S Input) connector (mini jack)**
Connect to the control S output of video equipment.
The monitor can be remotely controlled through the connected equipment.
- 2** **(S video Input) connector (4-pin mini-DIN)**
L/G/S, R/D/D (audio input) jacks (phono jack)
Connect to the S video/audio outputs of video equipment with the S video output connector.
- 3** **3 (Video Input) connector (BNC type)**
L/G/S, R/D/D (audio input) jacks (phono jack)
Connect to the video/audio outputs of video equipment with the BNC-type video connector.
- 4** **2 (AV Input/output) connector (21-pin CENELEC standard)**
Connect to the 21-pin multiconnector of video equipment.
For a loop-through connection, connect to the 1 connector of another monitor.
This connector cannot be used to connect a microcomputer.

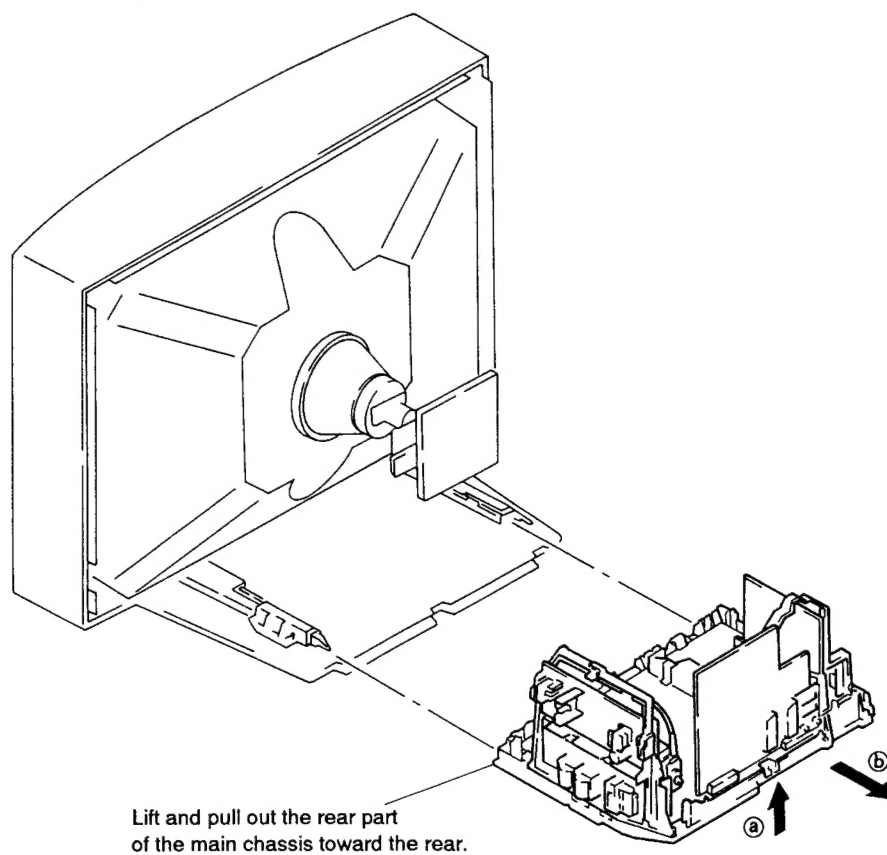
- 5** **1 (AV/RGB Input) connector (21-pin CENELEC standard)**
Connect to the 21-pin multiconnector of video equipment or to the analog RGB multioutput of a microcomputer.
- 6** **L/G/S, R/D/D (speaker L/R) terminals**
Connect to the optional external speakers with 8 ohm or less impedance.
- 7** **L/G/S, R/D/D (audio output) jacks (phono jack)**
Connect to the line input jacks of an audio system to monitor the sound through the audio system. The volume is adjusted with on this monitor.

SECTION 2 DISASSEMBLY

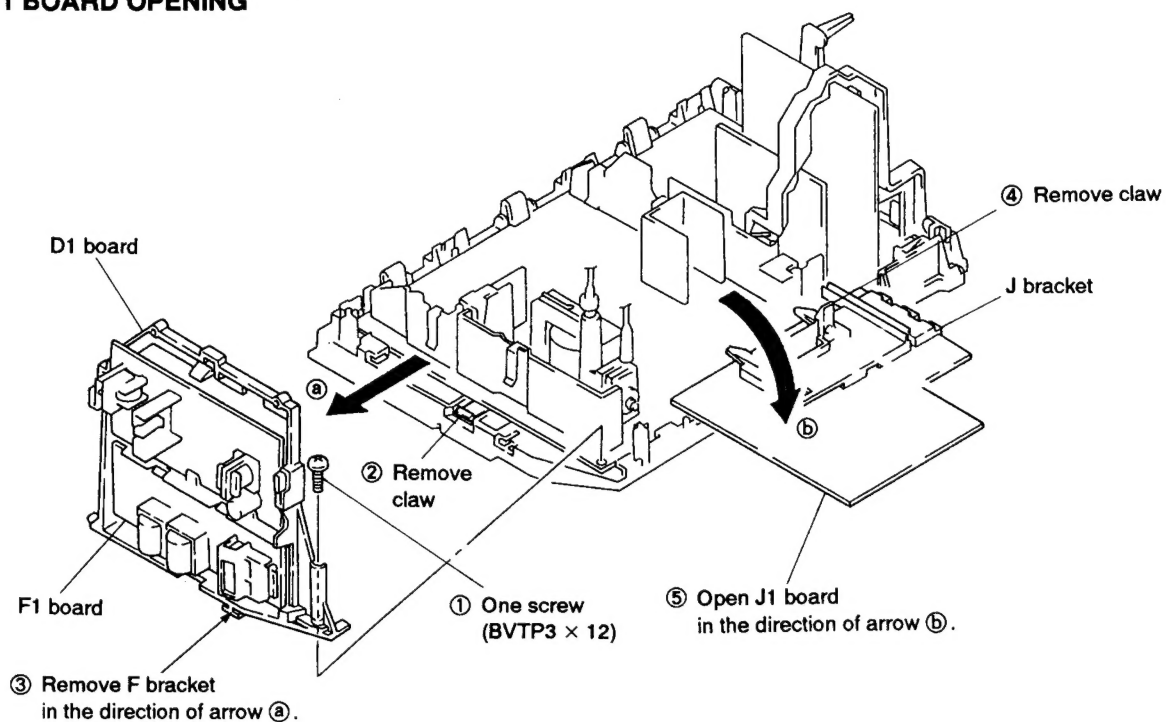
2-1. REAR COVER REMOVAL



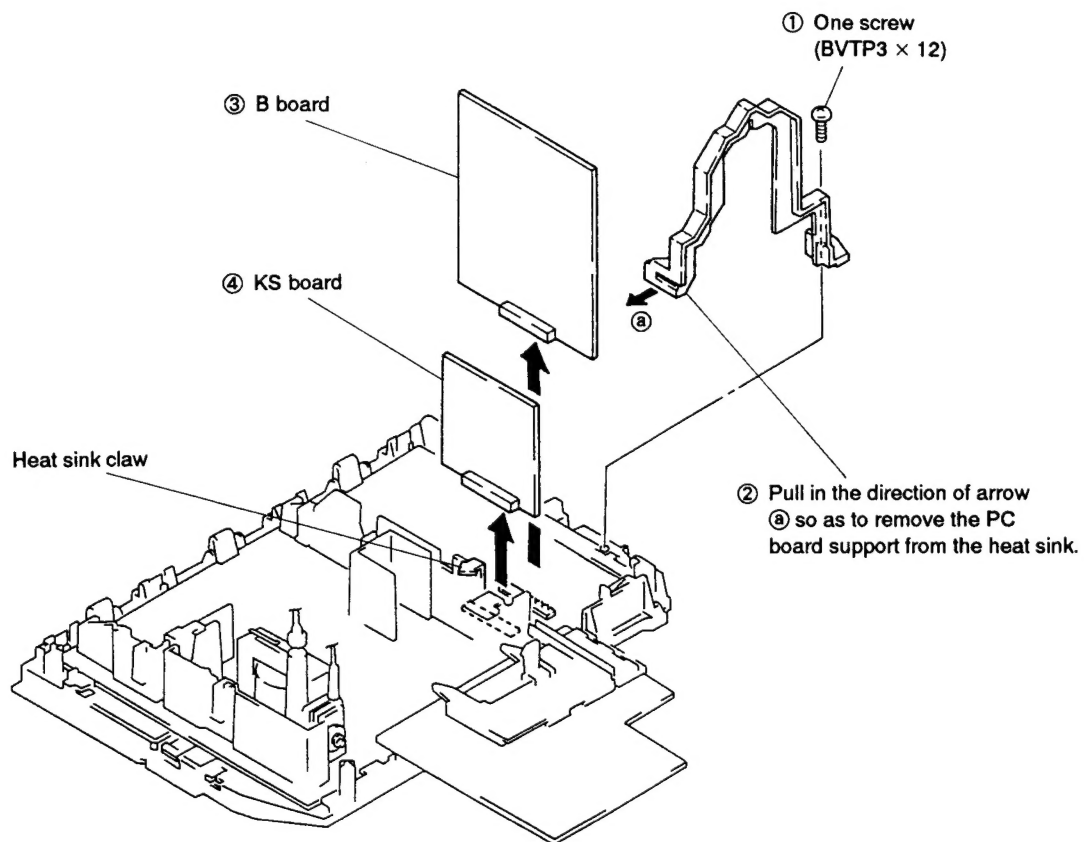
2-2. CHASSIS ASSY REMOVAL



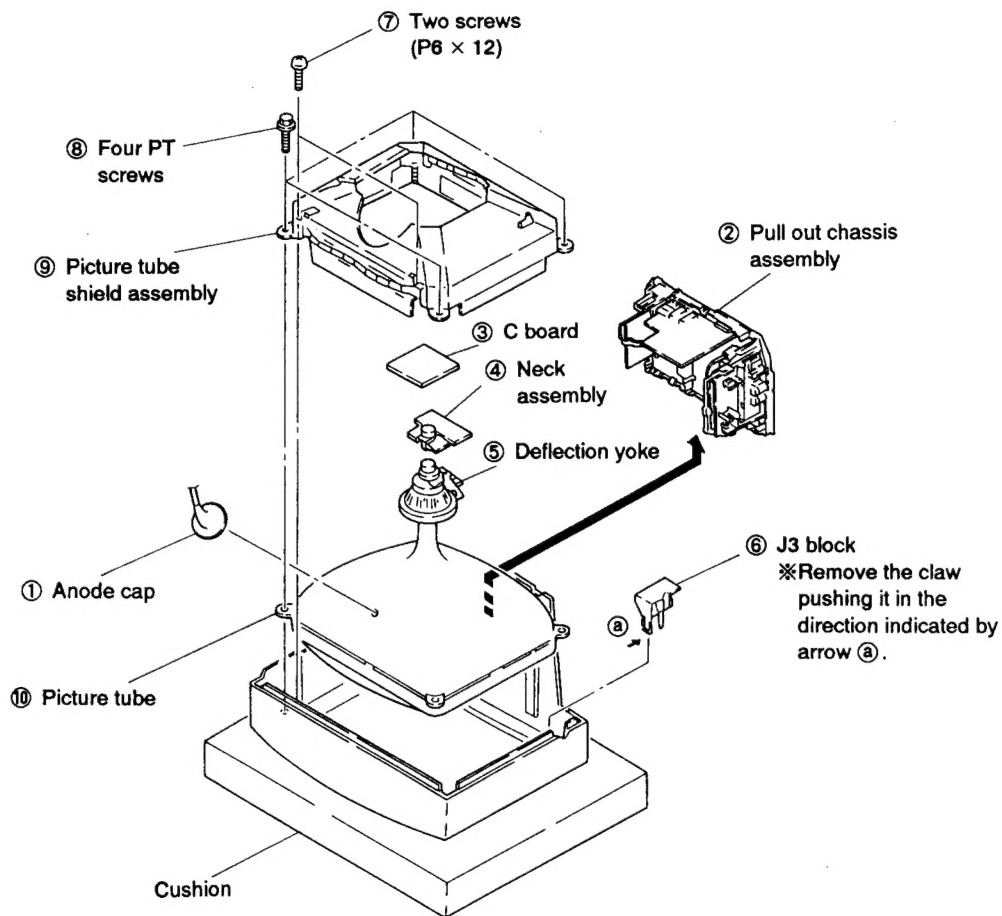
2-3. D1, F1 BOARDS REMOVAL AND J1 BOARD OPENING



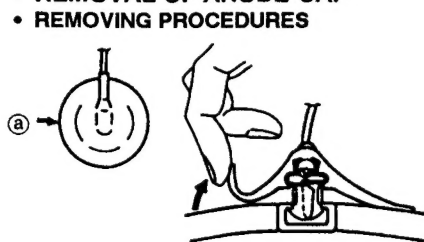
2-4. B, KS BOARDS REMOVAL



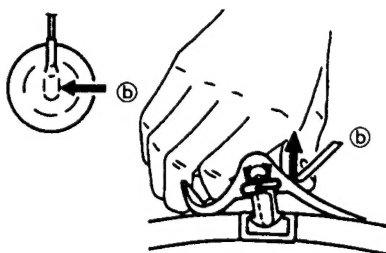
2-5. PICTURE TUBE REMOVAL



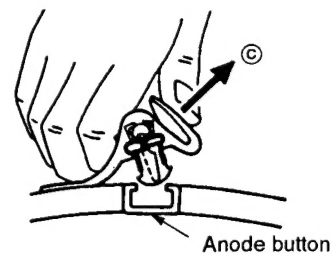
• REMOVAL OF ANODE-CAP • REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



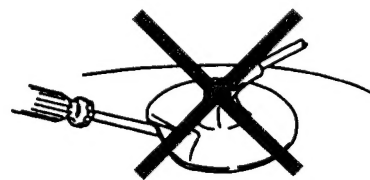
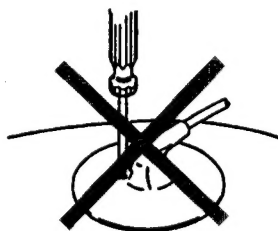
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.



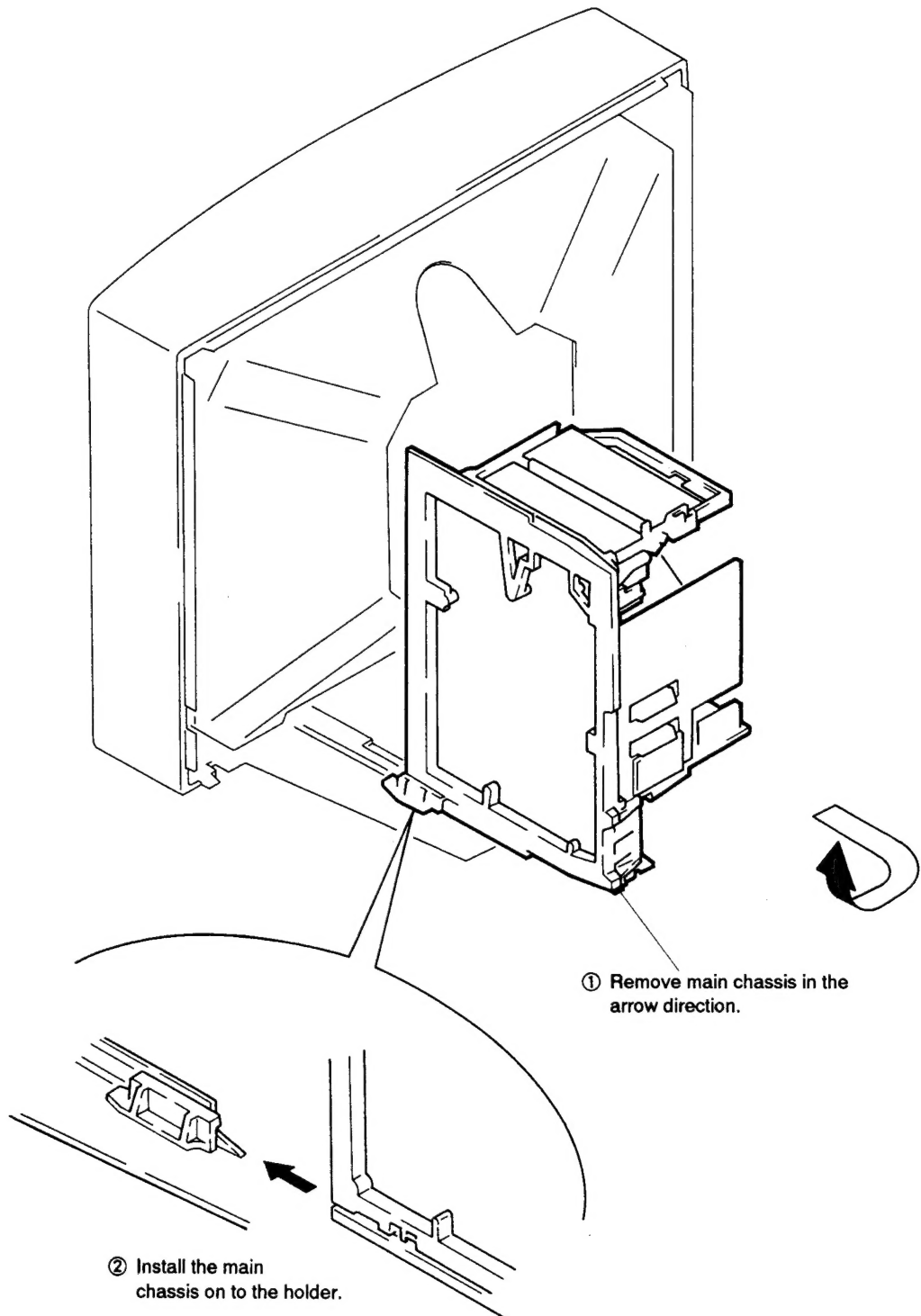
③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or hurt the rubber.



2-6. SERVICE POSITION



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

● CONTRAST control 80% (or Normal by Commander)

☼ BRIGHTNESS control 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Position neck ass'y as shown in Fig. 3-1
2. Input a raster signal with the pattern generator.
CONTRAST normal
BRIGHTNESS normal
3. Turn the raster signal of the pattern generator to red.
4. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-2 to 3-4)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-2)
6. Switch over the raster signal to blue and green and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
8. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-5)

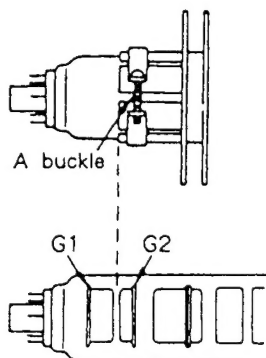


Fig. 3-1

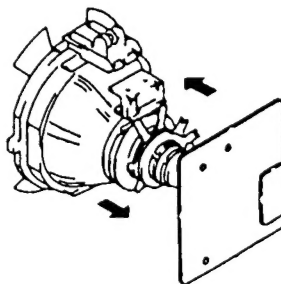


Fig. 3-2

Fig. 3-3

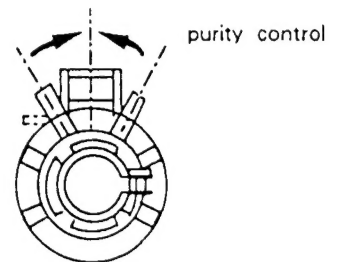


Fig. 3-4

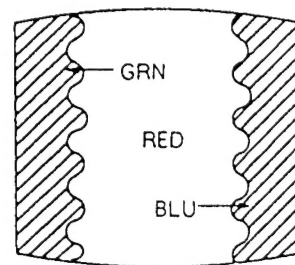
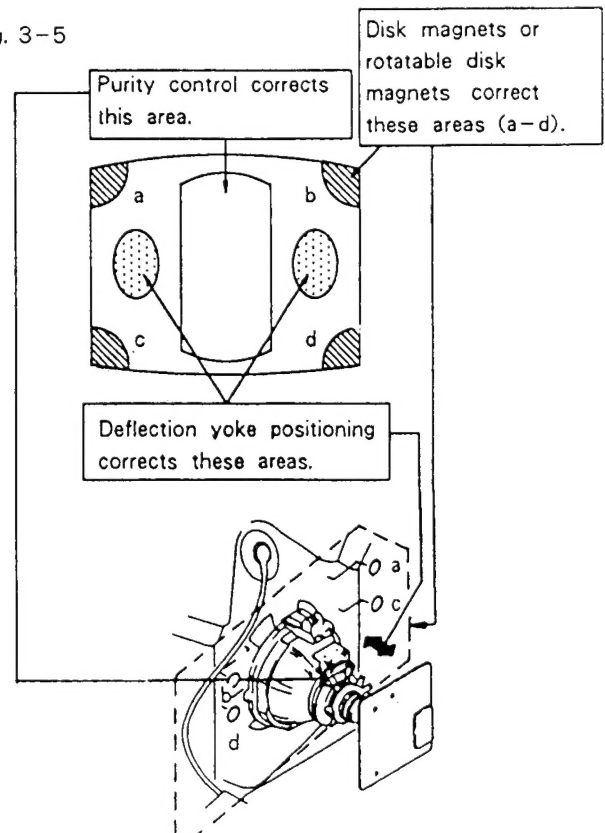


Fig. 3-5

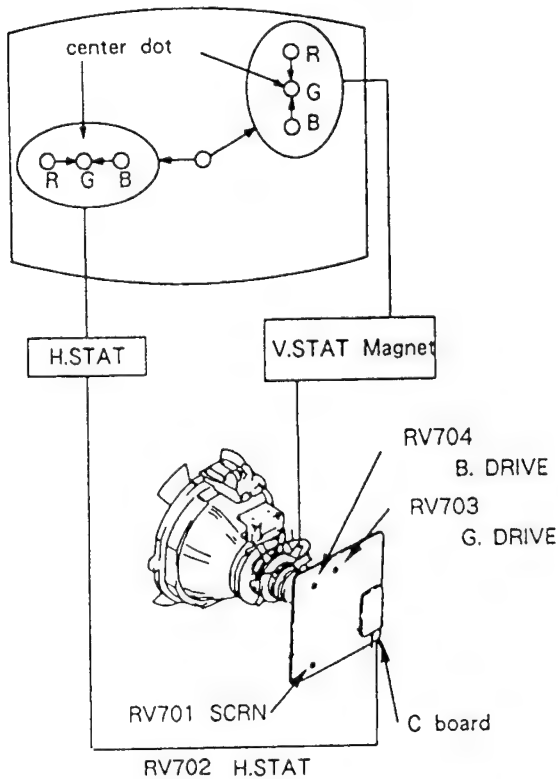


3-2. CONVERGENCE

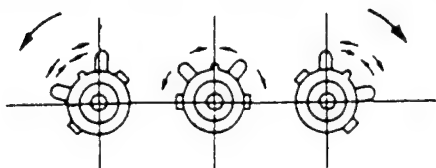
Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

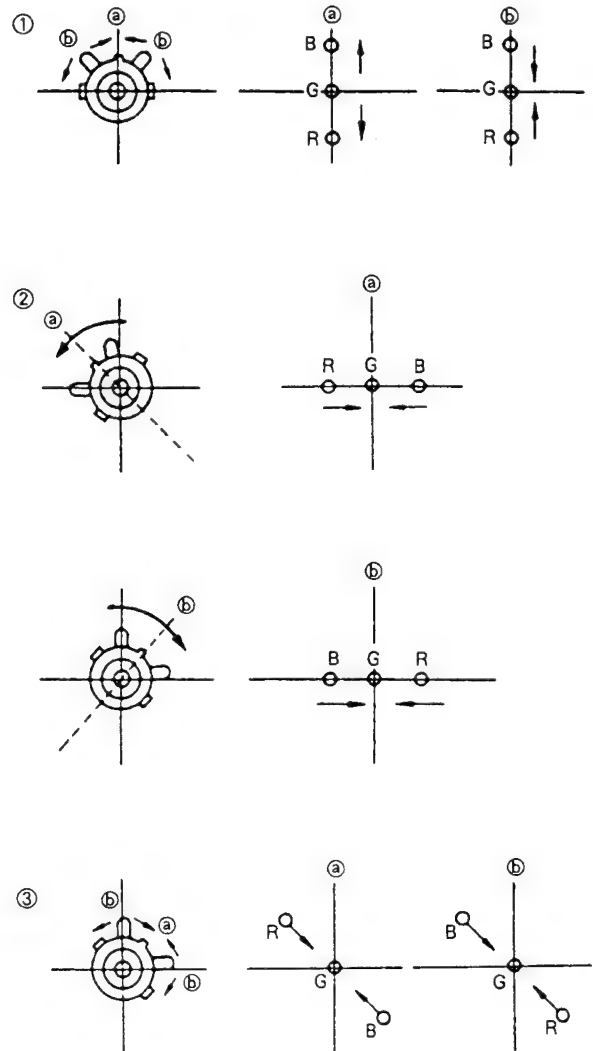
(1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.

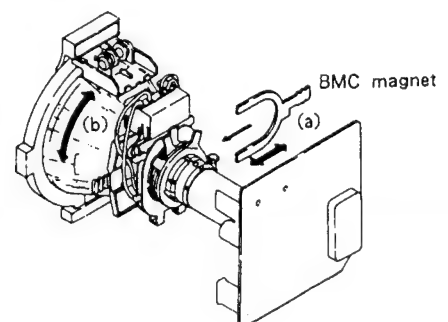


If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

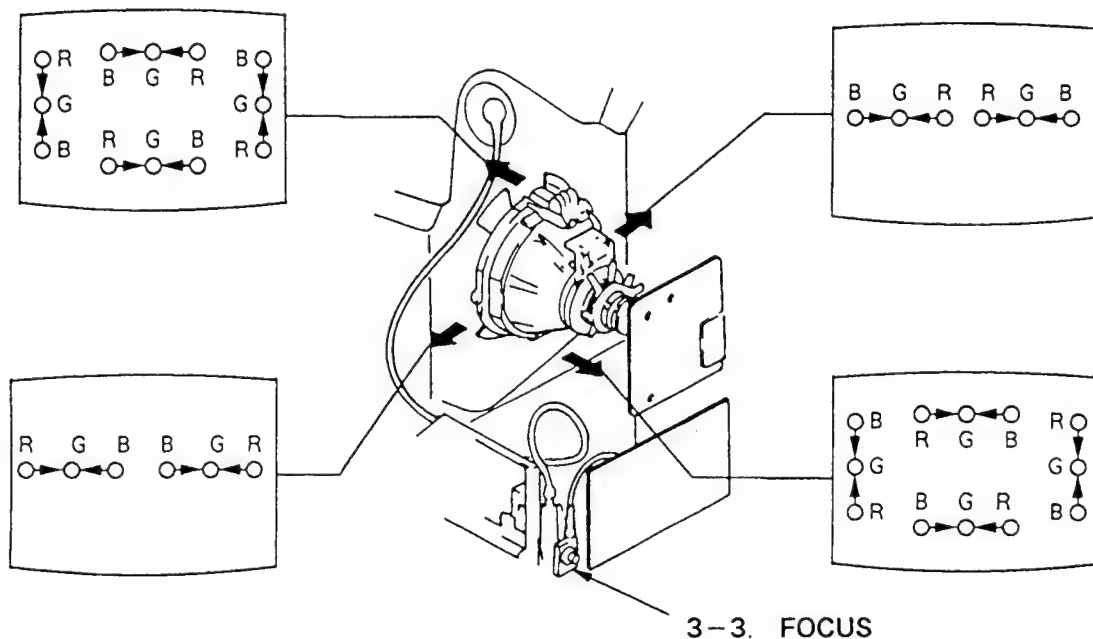
In either case, repeat Beam Landing Adjustment.



(2) Dynamic Convergence Adjustment

Preparation :

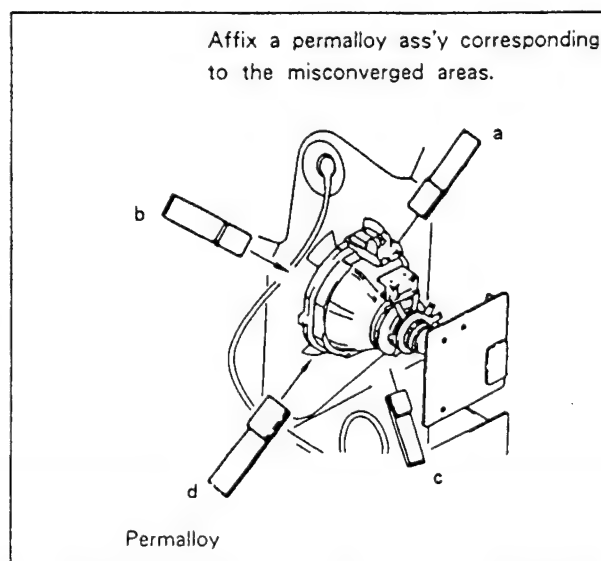
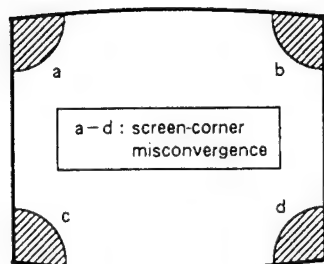
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
1. Slightly loosen deflection yoke screw.
 2. Remove deflection yoke spacers.
 3. Move the deflection yoke for best convergence as shown below.
 4. Tighten the deflection yoke screw.
 5. Install the deflection yoke spacers.



3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.

(3) Screen-corner Convergence



3-4. WHITE BALANCE

(Screen (G2) Setting)

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

(White Balance Adjustment)

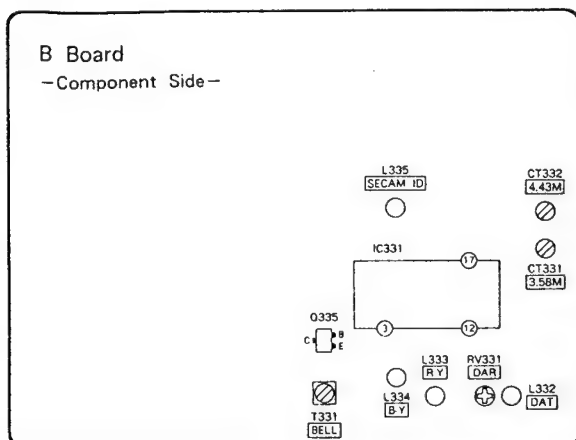
1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. B BOARD ADJUSTMENTS



REF OSC 3.58 MHz Adjustment (CT331)

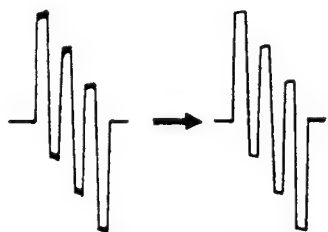
1. Input a NTSC 3.58 MHz COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT331 to obtain color synchronization.
4. Remove the jumper wire from IC331.

REF OSC 4.43 MHz Adjustment (CT332)

1. Input a NTSC 4.43 MHz COLOR BAR pattern.
2. Short circuit between pin ⑰ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

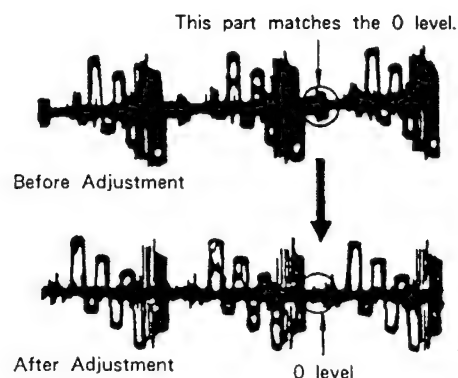
1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.



Before Adjustment After Adjustment

4. Input a TEST COLOR BAR pattern.
5. Rotate the RV331 control and adjust till the ANTI-PAL of the waveform matches the 0 level.



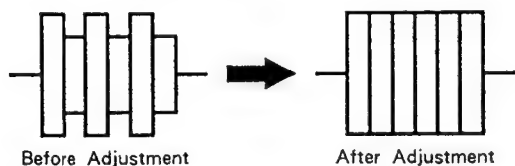
6. L332 and RV331 affect each other. Repeat till the conditions of both meet.

SECAM ID Adjustment (L335)

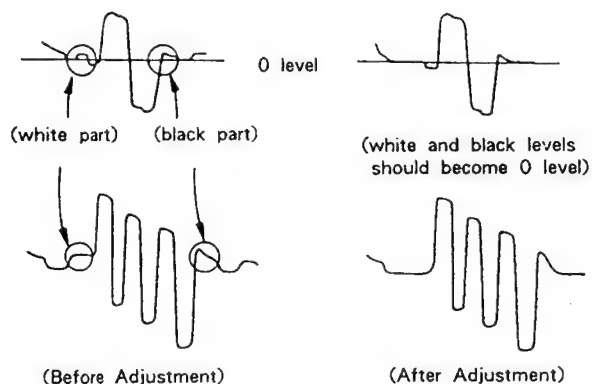
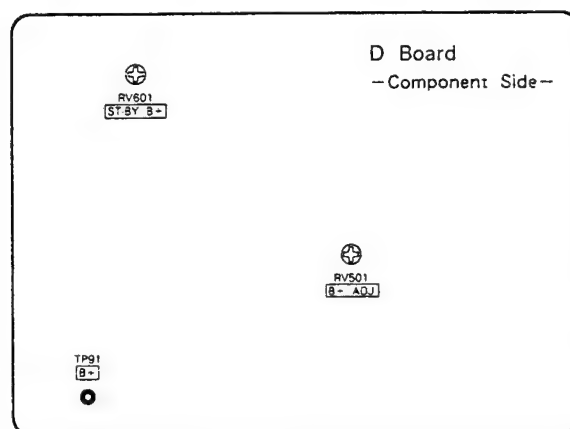
1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter to pin ⑳ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

BELL FILTER Adjustment (T331)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.

**SECAM DISCRI Adjustment (L333, L334)**

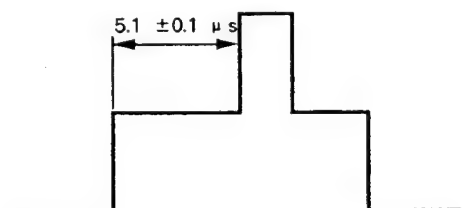
1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① become 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black parts of the waveform of pin ③ become 0 level.

**4-2. D BOARD ADJUSTMENTS****B+ Adjustment (RV501)**

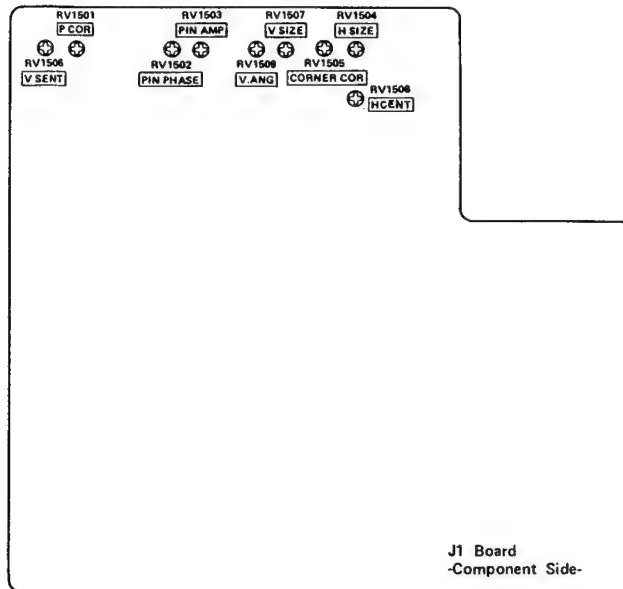
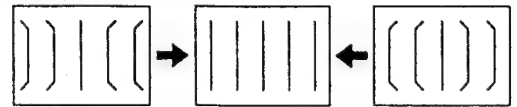
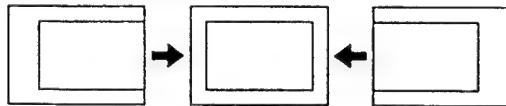
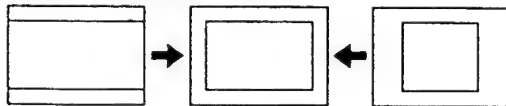
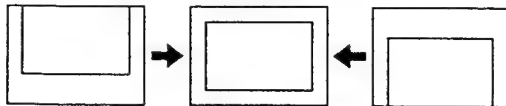
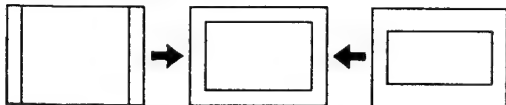
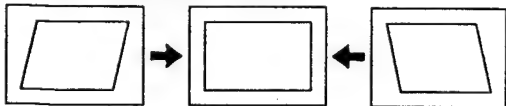
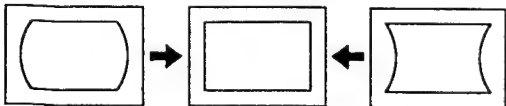
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ± 0.2 V.

H. PHASE Adjustment (RV502)

1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑩ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to 5.1 ± 0.1 μ s.



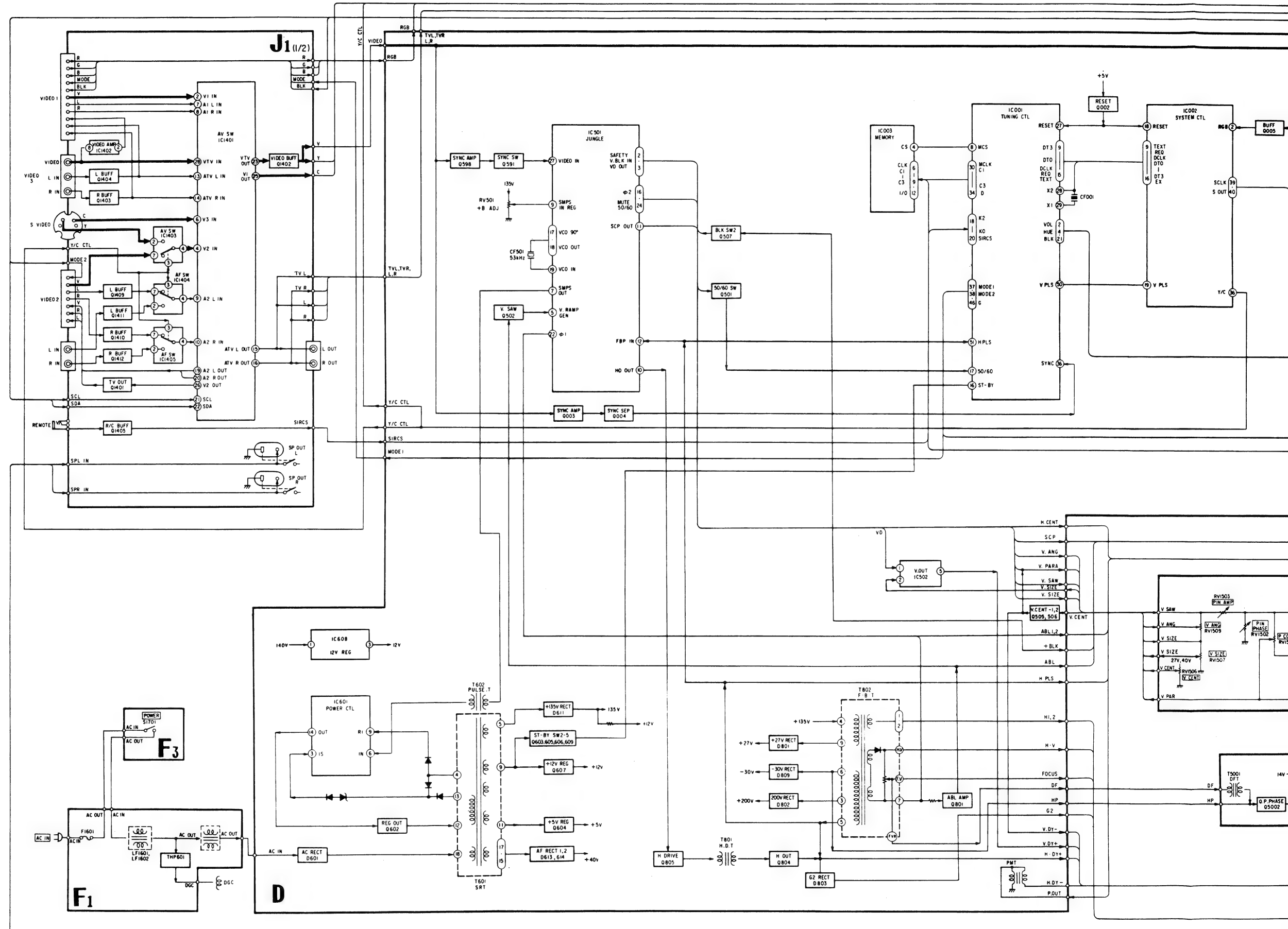
4-3. J1 BOARD ADJUSTMENTS

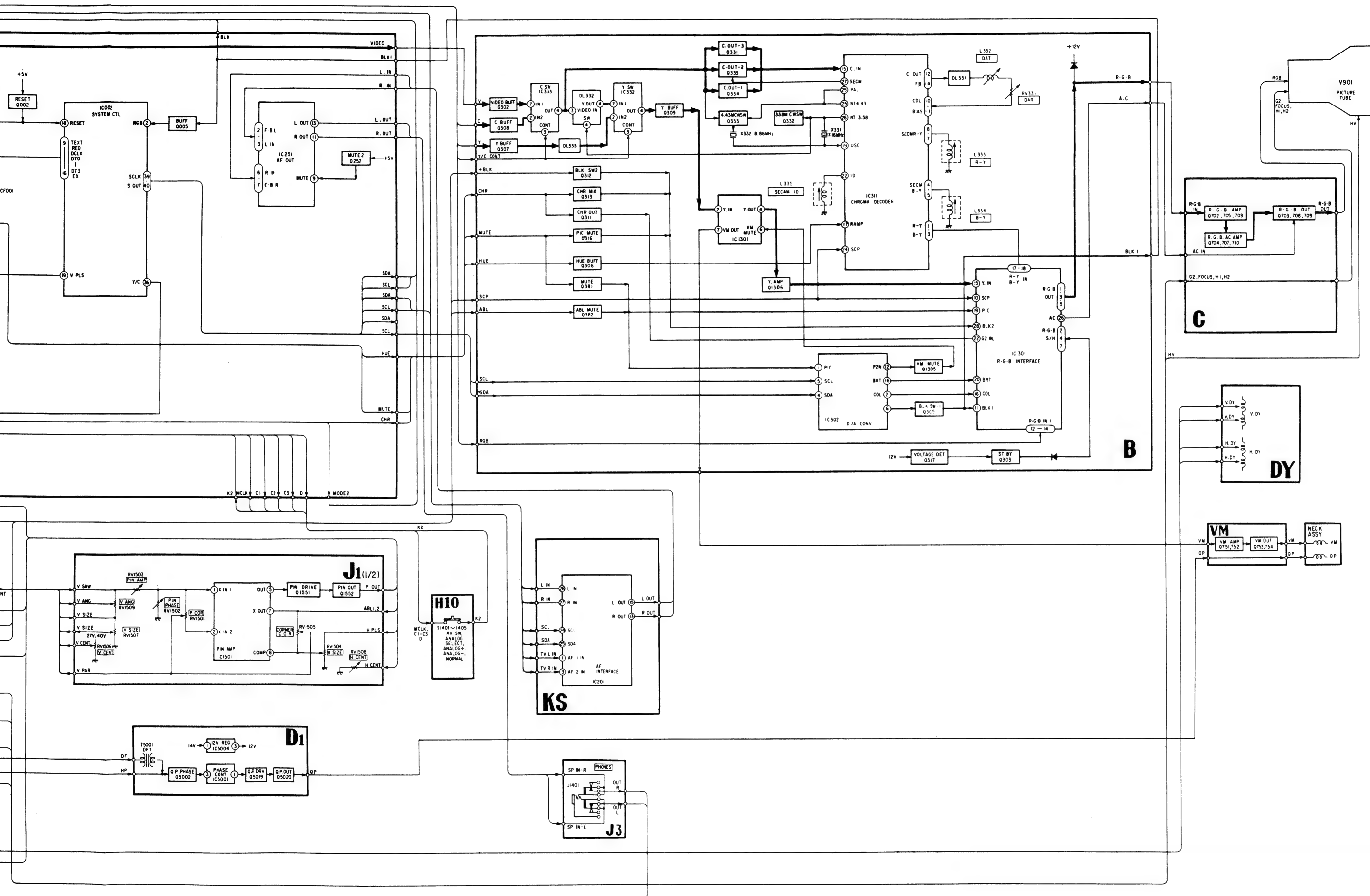
RV1501
PIN COR (PINCUSHION CORRECT)RV1505
CORNER COR (CORNER CORRECT)RV1508
H. CENT (HORIZONTAL CENTER)RV1504
H. SIZE (HORIZONTAL SIZE)RV1506
V. CENT (VERTICAL CENTER)RV1507
V. SIZE (VERTICAL SIZE)RV1509
V. ANGLE (VERTICAL ANGLE)RV1503
PIN AMP (PINCUSHION AMPLIFIER)RV1502
PIN PHASE (PINCUSHION PHASE)

SECTION 5

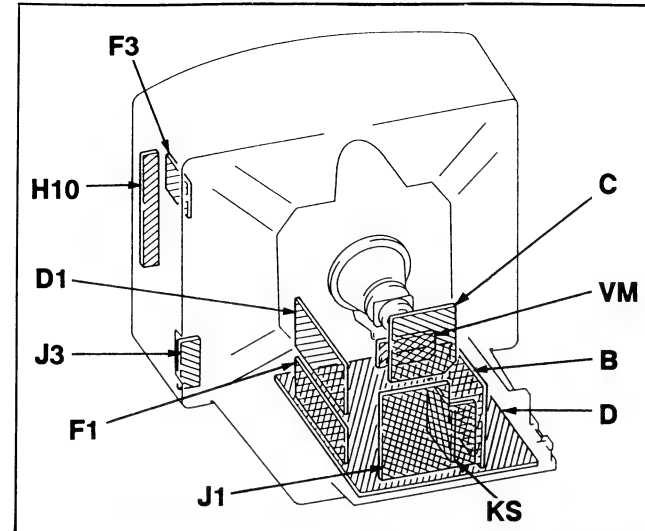
DIAGRAMS

5-1. BLOCK DIAGRAM





5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS — Conductor Side —

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

- All capacitors are in μF unless otherwise noted. p: μpF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- Indication of resistance, which does not have one for rating electrical power is as follows.

Pitch: 5 mm
Rating electrical power: 1/4W

- \square : nonflamable resistor.
- Δ : internal component.
- \square : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a 10M Ω digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- \times : Can not be measured.
- Circled numbers are waveform references.
- : B + bus.
- - -: B - bus.
- \Rightarrow : signal path.

Reference information

RESISTOR	: RN METAL FILM	: RS NONFLAMMABLE METAL OXIDE
	: RC SOLID	: RB NONFLAMMABLE CEMENT
	: FRPD NONFLAMMABLE CARBON	: RW NONFLAMMABLE WIREWOUND
	: FUSE NONFLAMMABLE FUSIBLE	: * ADJUSTMENT RESISTOR
COIL	: LF-8L MICRO INDUCTOR	: MPS METALIZED POLYESTER
CAPACITOR	: TA TANTALUM	: MPP METALIZED POLYPROPYLENE
	: PS STYROL	: ALB BIPOLAR
	: PP POLYPROPYLENE	: ALT HIGH TEMPERATURE
	: PT MYLAR	: ALR HIGH RIPPLE

J1 (AV SW, PIN AMP, AF SW, VIDEO AMP)

F1 (LINE FILTER)

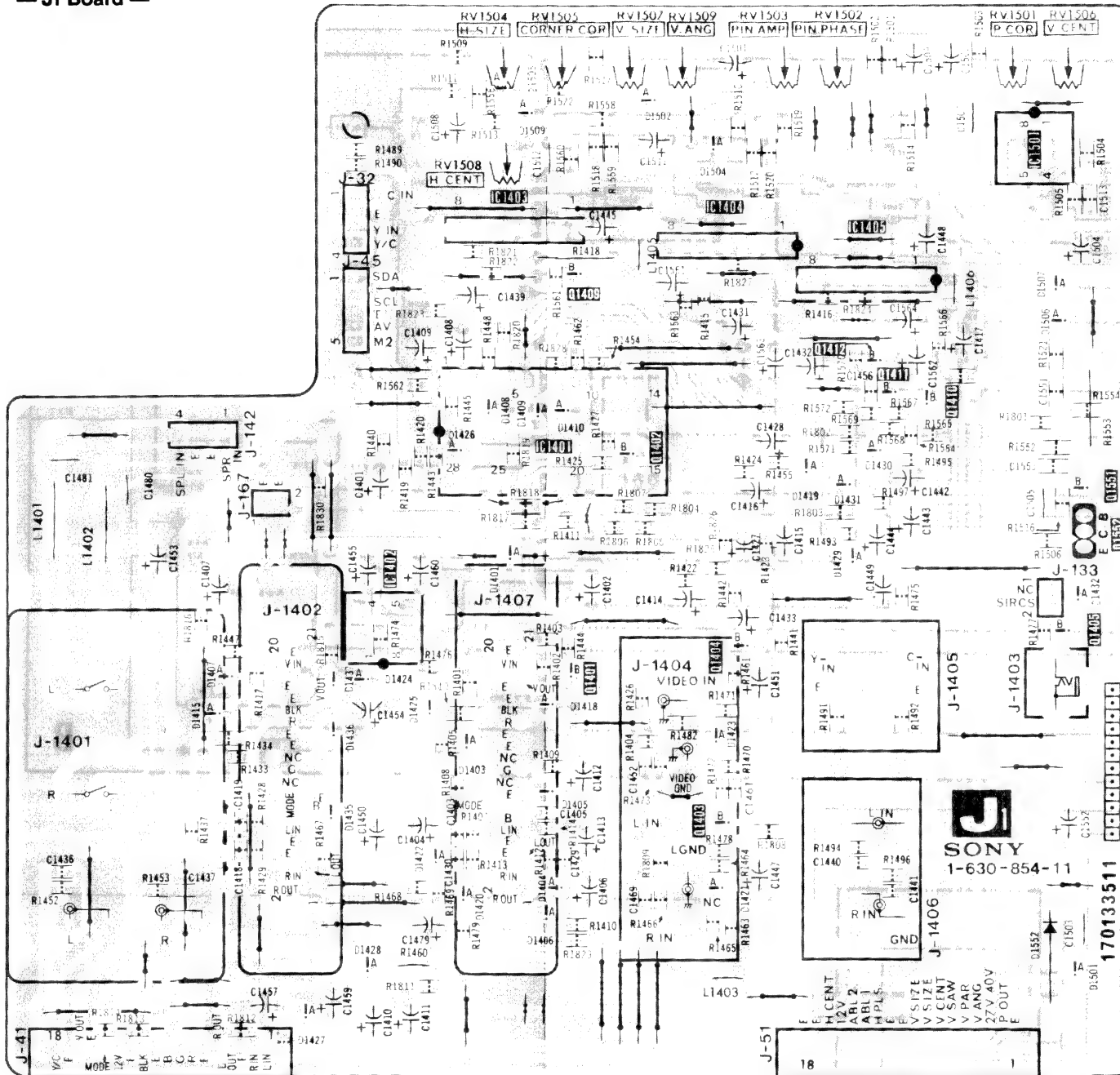
F3 (POWER SW)

B (CHROMA DECODER)

H10 (CUSTOMER CONTROL)

VM (VM)

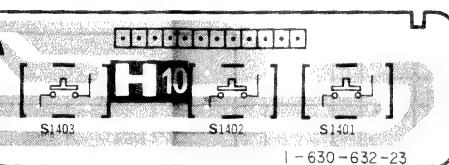
— J1 Board —



(VM AMP)

(PHASE CONTROL)

(HEADPHONE)



IC		DIODE	
IC301	E-4	D305	D-6
IC302	D-2	D307	E-3
IC311	B-5	D309	E-2
IC332	A-2	D310	E-3
IC333	A-1	D311	E-3
TRANSISTOR		D312	E-3
		D314	E-5
Q302	A-1	D315	E-6
Q303	E-1	D316	E-6
Q305	E-2	D317	E-1
Q306	A-1	D318	E-6
Q307	B-2	D319	E-6
Q308	A-3	D320	E-6
Q309	C-2	D331	C-4
Q311	D-5	D333	C-4
Q312	D-4	D341	C-5
Q313	D-5	VARIABLE RESISTOR	
Q316	D-5	RV331	A-6
Q317	E-1	CT331	C-6
Q331	B-4	CT332	D-6
Q332	C-7		
Q333	D-6		
Q335	B-4		
Q344	B-4		
Q381	C-2		
Q382	C-3		
Q1305	C-2		
Q1306	C-3		

The photograph shows a complex printed circuit board (PCB) populated with numerous electronic components. Key features include:

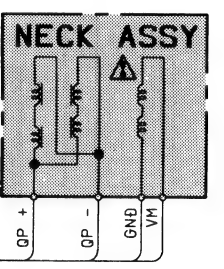
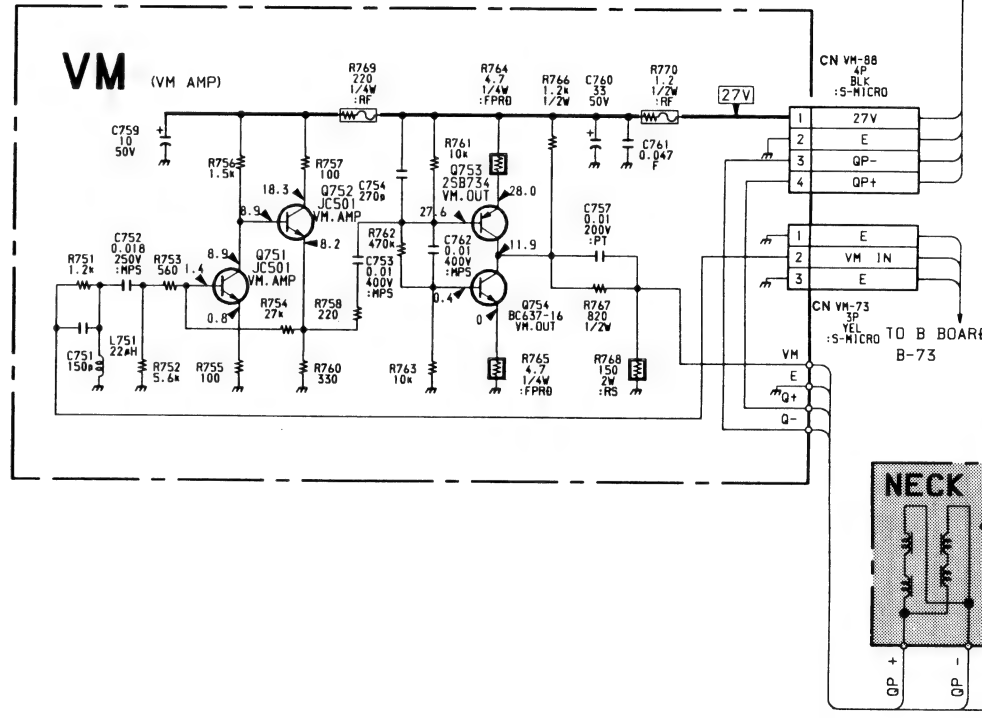
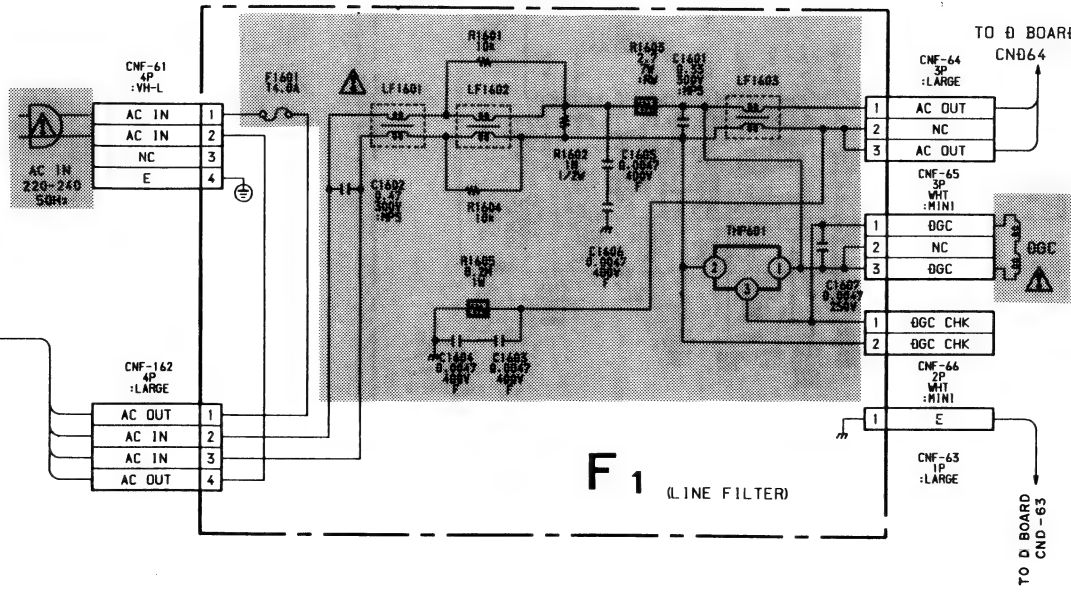
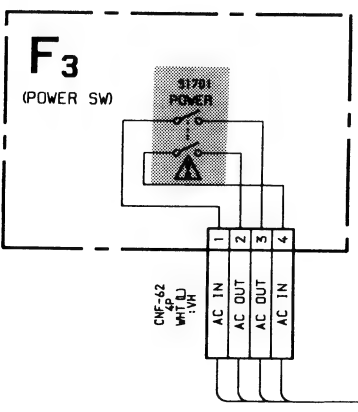
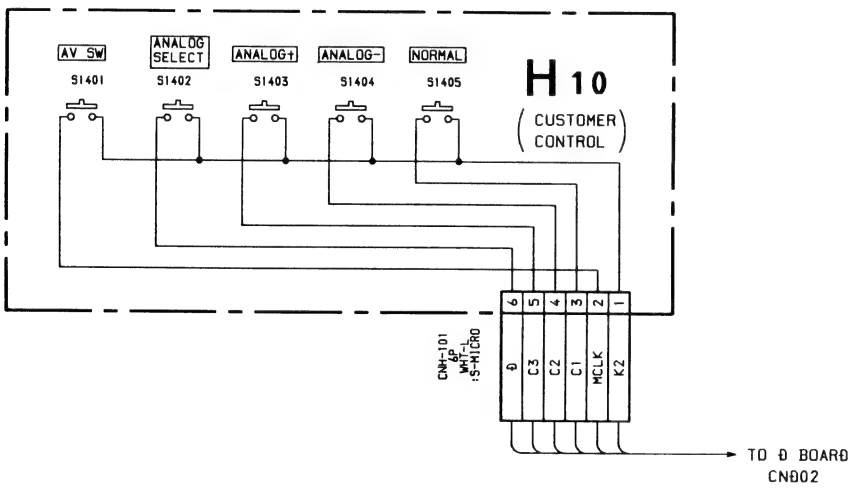
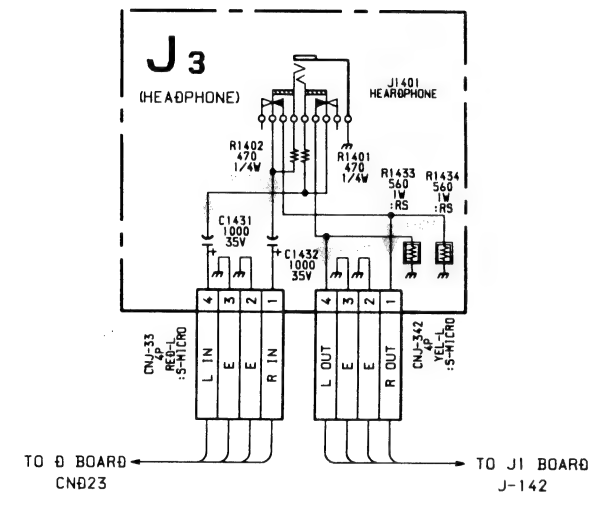
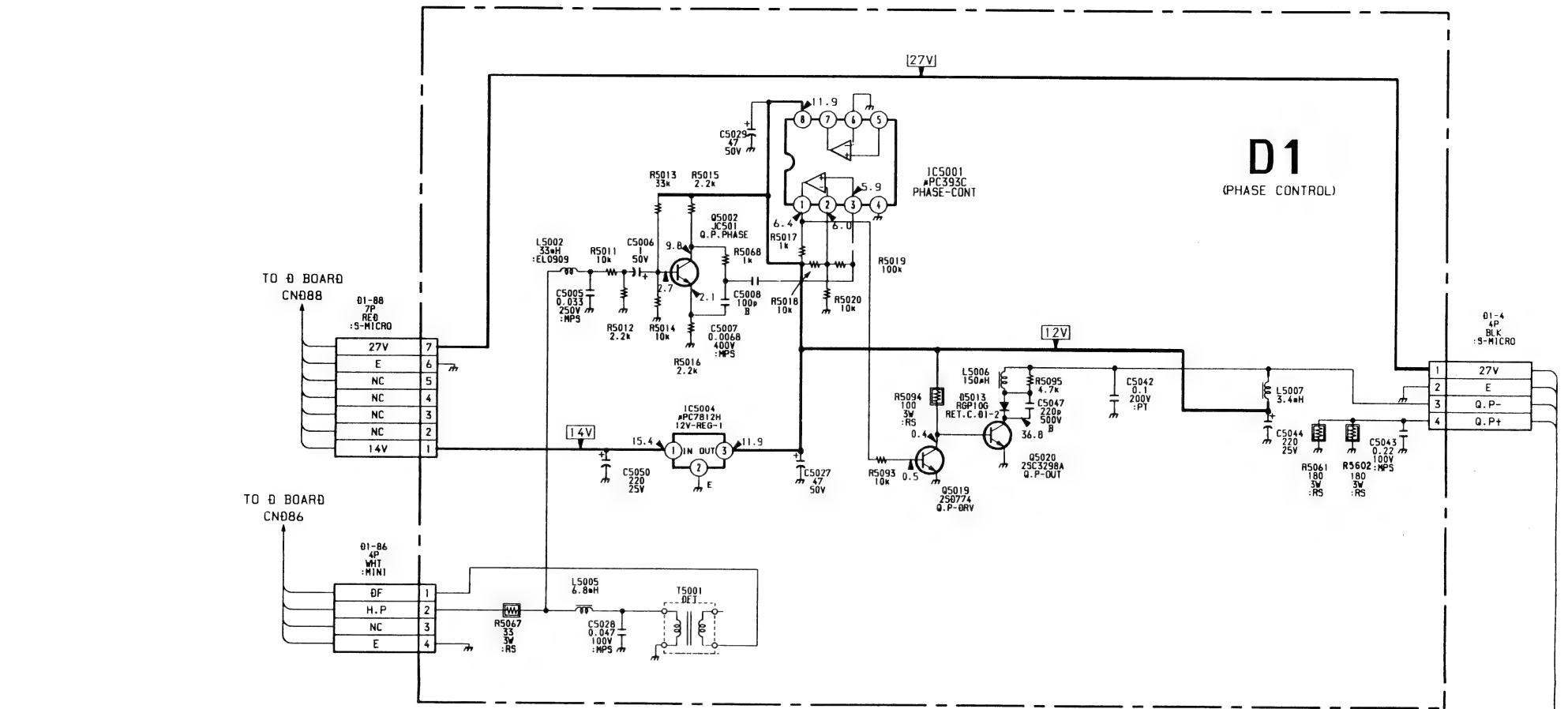
- Top Left:** A vertical strip of eight circular components, possibly capacitors or diodes.
- Center:** A large rectangular integrated circuit (IC) with the "SONY" logo and the number "1-630-852-11".
- Right Side:** A transformer-like component with multiple windings and taps, labeled with "T5001" and "Df T". Below it is another component labeled "L5005".
- Bottom Right:** A component labeled "D1-86" with four pins.
- Various Labels:** Numerous other labels are scattered across the board, including "C5042", "L5007", "R5002", "C5005", "R5007", "C5007", "R5008", "C5009", "R5010", "C5011", "R5012", "C5013", "R5014", "C5015", "R5016", "C5017", "R5018", "C5019", "R5020", "C5021", "R5022", "C5023", "R5024", "C5025", "R5026", "C5027", "R5028", "C5029", "R5030", "C5031", "R5032", "C5033", "R5034", "C5035", "R5036", "C5037", "R5038", "C5039", "R5040", "C5041", "R5042", "C5043", "R5044", "C5045", "R5046", "C5047", "R5048", "C5049", "R5050", "C5051", "R5052", "C5053", "R5054", "C5055", "R5056", "C5057", "R5058", "C5059", "R5060", "C5061", "R5062", "C5063", "R5064", "C5065", "R5066", "C5067", "R5068", "C5069", "R5070", "C5071", "R5072", "C5073", "R5074", "C5075", "R5076", "C5077", "R5078", "C5079", "R5080", "C5081", "R5082", "C5083", "R5084", "C5085", "R5086", "C5087", "R5088", "C5089", "R5090", "C5091", "R5092", "C5093", "R5094", "C5095", "R5096", "C5097", "R5098", "C5099", "R5100", "C5101", "R5102", 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"C5547", "R5548", "C5549", "R5550

<p>①</p> <p>5 V_{p-p} (H)</p>	<p>②</p> <p>5 V_{p-p} (H)</p>	<p>③</p> <p>5 V_{p-p} (H)</p>
<p>④</p> <p>11 V_{p-p} (H)</p>	<p>⑤</p> <p>0.3 V_{p-p} (H)</p>	<p>⑥</p> <p>0.9 V_{p-p} (H)</p>
<p>⑦</p> <p>1.3 V_{p-p} (H)</p>	<p>⑧</p> <p>0.9 V_{p-p} (H)</p>	<p>⑨</p> <p>1.2 V_{p-p} (H)</p>
<p>⑩</p> <p>PAL NTSC3.58 NTSC4.43</p> <p>1.5 V_{p-p} (H)</p>	<p>⑩</p> <p>SECAM</p> <p>2 V_{p-p} (H)</p>	<p>⑪</p> <p>PAL NTSC3.58 NTSC4.43</p> <p>0.2 V_{p-p} (H)</p>
<p>⑪</p> <p>SECAM</p> <p>0.2 V_{p-p} (H)</p>	<p>⑫</p> <p>0.5 V_{p-p} (H)</p>	<p>⑬</p> <p>PAL NTSC3.58 NTSC4.43</p> <p>1 V_{p-p} (H)</p>
<p>⑬</p> <p>SECAM</p> <p>0.9 V_{p-p} (H)</p>		

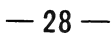
The block diagram illustrates the architecture of a SECAM color television receiver. The system is organized into several functional blocks and signal paths:

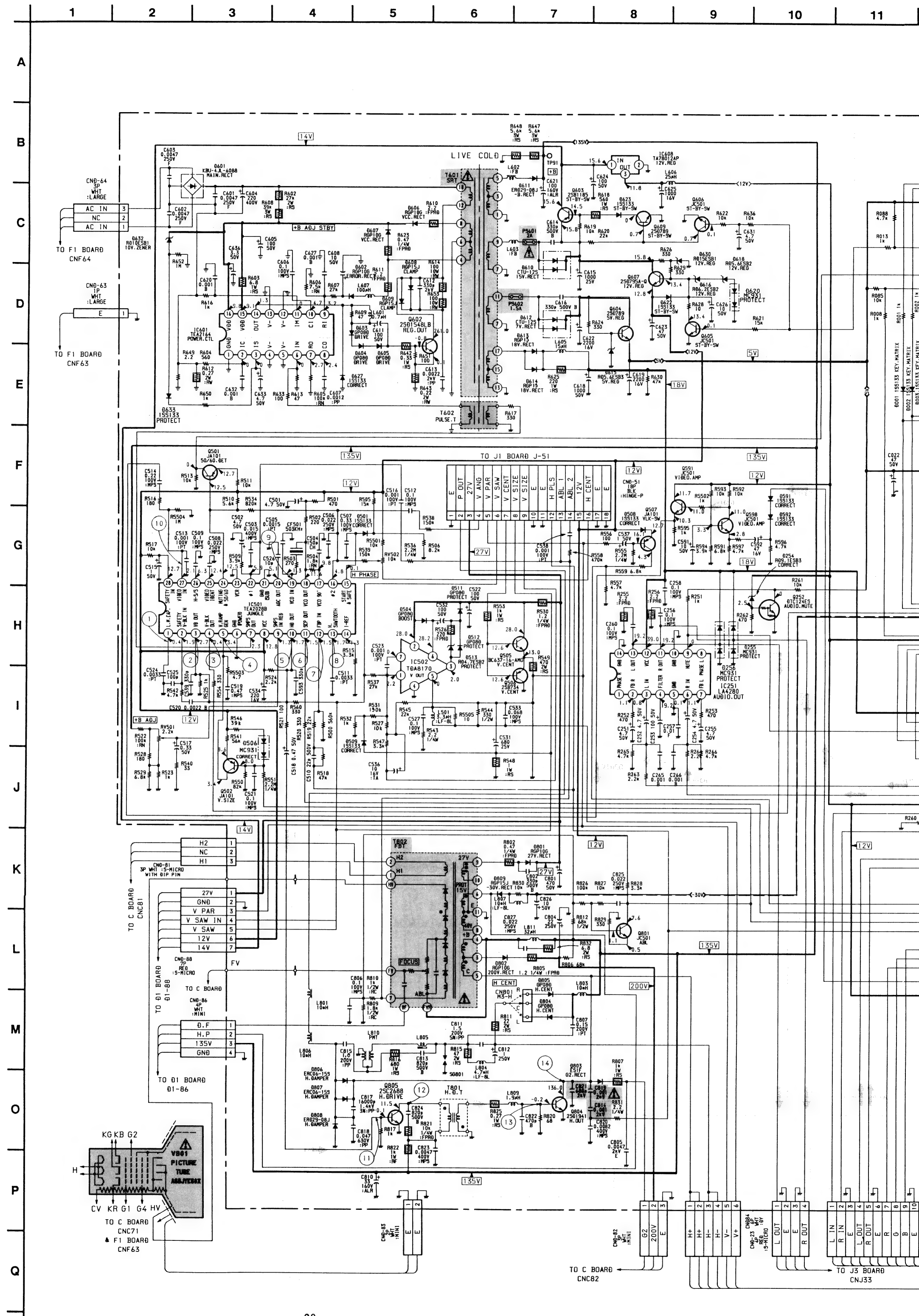
- Input and Initial Processing:**
 - Inputs 13, 14, 15, and 16 enter the system.
 - Input 14 is connected to a **DC FEED 8** block.
 - Input 15 is connected to an **ACC** (Automatic Color Control) block, which is followed by a variable gain amplifier (represented by a trapezoid).
 - Input 16 is connected to an **ACC DEMOD** block.
- Color Processing and Demodulation:**
 - The output of the **ACC** block is connected to the **SECAM REF** (Reference) block.
 - The output of the **ACC DEMOD** block is connected to the **DEM00** (Demodulator) block.
 - The **SECAM REF** block provides reference signals to the **DEM00** block.
 - The **DEM00** block outputs signals to the **SECAM DEMPH** (Demphasis) block.
- Blanking and Synchronization:**
 - The **SECAM REF** block also outputs signals to the **BURST BLANK** block.
 - The **BURST BLANK** block outputs signals to the **DL AMP DRIVER** (Line Amp Driver) block.
 - The **DL AMP DRIVER** block outputs signals to the **MATRIX SECAM LIMITER PERMULATOR** block.
- Matrix and Limiting:**
 - The **MATRIX SECAM LIMITER PERMULATOR** block receives signals from the **DL AMP DRIVER** block and the **SECAM REF** block.
 - It outputs signals to the **DEM00** block and the **SECAM DEMPH** block.
- Demphasis and Color Killing:**
 - The **SECAM DEMPH** block outputs signals to the **SECAM DEMPH BLANKING COLOR KILLER** block.
 - The **SECAM DEMPH BLANKING COLOR KILLER** block outputs signals to the **PULSE PROCESSING** block.
- System Control and Scanning:**
 - Inputs 28, 27, 26, and 25 are connected to the **SYSTEM CONTROL STANDARD SCANNING** block.
 - The **SYSTEM CONTROL STANDARD SCANNING** block outputs signals to the **FORCED STANDARD SETTING** block.
 - The **FORCED STANDARD SETTING** block outputs signals to the **SECAM V/H/V+H** block.
- SECAM V/H/V+H and IDENT:**
 - The **SECAM V/H/V+H** block outputs signals to the **IDENT** block.
 - The **IDENT** block outputs signals to the **SECAM V/H/V+H** block and the **2f osc PAL/NTSC DIVIDER, PLL** block.
- Frequency Synthesis and PLL:**
 - The **2f osc PAL/NTSC DIVIDER, PLL** block outputs signals to the **HUE NTSC $\pm 30^\circ$** block.
 - The **HUE NTSC $\pm 30^\circ$** block outputs signals to the **SERVICE** block.
 - The **SERVICE** block outputs signals to the **2f osc PAL/NTSC DIVIDER, PLL** block.
- Pulse Processing and Sandcastle Pulse Detect:**
 - The **PULSE PROCESSING** block outputs signals to the **SAND CASTLE PULSE DETECT** block.
 - The **SAND CASTLE PULSE DETECT** block outputs signals to the **SECAM DEMPH BLANKING COLOR KILLER** block.
- Output and Miscellaneous:**
 - Inputs 9, 22, 20, 21, 72, 19, 18, 17, 11, 10, 8, 7, 4, and 5 are connected to various blocks.
 - Input 11 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 10 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 8 is connected to the **SECAM REF** block.
 - Input 7 is connected to the **SECAM REF** block.
 - Input 4 is connected to the **SECAM REF** block.
 - Input 5 is connected to the **SECAM REF** block.
 - Input 9 is connected to the **SYSTEM CONTROL STANDARD SCANNING** block.
 - Input 22 is connected to the **SECAM V/H/V+H** block.
 - Input 20 is connected to the **SECAM V/H/V+H** block.
 - Input 21 is connected to the **SECAM V/H/V+H** block.
 - Input 72 is connected to the **SECAM V/H/V+H** block.
 - Input 19 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 18 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 17 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
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 - Input 17 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 11 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 10 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 8 is connected to the **SECAM REF** block.
 - Input 7 is connected to the **SECAM REF** block.
 - Input 4 is connected to the **SECAM REF** block.
 - Input 5 is connected to the **SECAM REF** block.
 - Input 9 is connected to the **SYSTEM CONTROL STANDARD SCANNING** block.
 - Input 22 is connected to the **SECAM V/H/V+H** block.
 - Input 20 is connected to the **SECAM V/H/V+H** block.
 - Input 21 is connected to the **SECAM V/H/V+H** block.
 - Input 72 is connected to the **SECAM V/H/V+H** block.
 - Input 19 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 18 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 17 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 11 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 10 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 8 is connected to the **SECAM REF** block.
 - Input 7 is connected to the **SECAM REF** block.
 - Input 4 is connected to the **SECAM REF** block.
 - Input 5 is connected to the **SECAM REF** block.
 - Input 9 is connected to the **SYSTEM CONTROL STANDARD SCANNING** block.
 - Input 22 is connected to the **SECAM V/H/V+H** block.
 - Input 20 is connected to the **SECAM V/H/V+H** block.
 - Input 21 is connected to the **SECAM V/H/V+H** block.
 - Input 72 is connected to the **SECAM V/H/V+H** block.
 - Input 19 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 18 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 17 is connected to the **2f osc PAL/NTSC DIVIDER, PLL** block.
 - Input 11 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 10 is connected to the **MATRIX SECAM LIMITER PERMULATOR** block.
 - Input 8 is connected to the **SECAM REF** block.
 - Input 7 is connected to the **SECAM REF** block.
 - Input 4 is connected to the **SECAM REF** block.
 - Input

A
B
C
D
E
F
G
H
I
J
K
L
M
O
P
Q

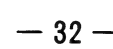





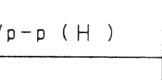
		PAL	SECAM	NTSC3.58	NTSC4.43
IC301	(2)	5.4V	5.4V	5.7V	5.7V
	(8)	0.1V	0.1V	5.7V	5.7V
IC302	(1)	0V	0V	0.2V	0.2V
	(2)	0V	0V	0.2V	0.2V
IC311	(5)	5.5V	4V	5.7V	5.7V
	(7)	5.3V	4V	5.4V	5.4V
	(19)	2.6V	3.6V	2.6V	2.6V
	(20)	5.5V	5.6V	7.4V	7.4V
	(21)	7.7V	6.8V	5.5V	5.5V
	(25)	0V	0.1V	0.1V	0.1V
	(26)	0.1V	0.1V	5.7V	5.7V
	(27)	0V	5.7V	0.1V	0.1V
Q303	(C)	7.1V	6.6V	6.6V	6.6V
	(C)	7.1V	6.6V	6.6V	6.6V
Q314	(C)	7.1V	6.6V	6.6V	6.6V
	(C)	7.1V	6.6V	6.6V	6.6V
Q331	(B)	0.1V	0.1V	5V	5V
	(E)	3.9V	4.5V	4.4V	4.4V
Q332	(B)	0.1V	0.1V	5.7V	5.7V
	(C)	11.6V	11.7V	0V	0V
Q333	(B)	5.2V	0V	0V	0V
	(C)	0V	11.7V	11.7V	11.7V
Q335	(B)	0.1V	5.1V	0.1V	0.1V
	(E)	3.9V	4.5V	4.4V	4.4V
Q344	(B)	4.6V	0V	0V	0V
	(E)	3.9V	4.5V	4.4V	4.4V



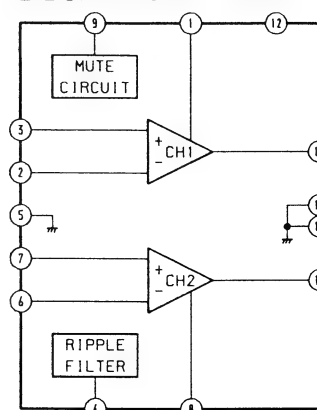
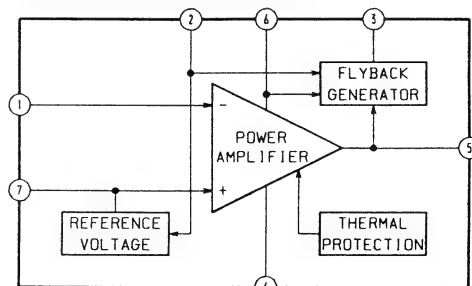






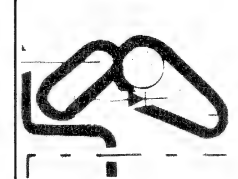
<p>①</p>  <p>120 V_{p-p} (H)</p>	<p>②</p>  <p>110 V_{p-p} (H)</p>	<p>③</p>  <p>110 V_{p-p} (H)</p>
<p>④</p>  <p>22 V_{p-p} (H)</p>		

<p>①</p> <p>1.2 V_{p-p} (H)</p>	<p>②</p> <p>3.2 V_{p-p} (V)</p>	<p>③</p> <p>5.3 V_{p-p} (V)</p>
<p>④</p> <p>3.2 V_{p-p} (V)</p>	<p>⑤</p> <p>4 V_{p-p} (H)</p>	<p>⑥</p> <p>11 V_{p-p} (H)</p>
<p>⑦</p> <p>13 V_{p-p} (H)</p>	<p>⑧</p> <p>3.8 V_{p-p} (H)</p>	<p>⑨</p> <p>0.1 V_{p-p} (503 KHz)</p>
<p>⑩</p> <p>1.2 V_{p-p} (H)</p>	<p>⑪</p> <p>3.2 V_{p-p} (H)</p>	<p>⑫</p> <p>220 V_{p-p} (H)</p>
<p>⑬</p> <p>13 V_{p-p} (H)</p>	<p>⑭</p> <p>920 V_{p-p} (H)</p>	<p>⑮</p> <p>11 V_{p-p} (H)</p>
<p>⑯</p> <p>5.2 V_{p-p} (H)</p>	<p>⑰</p> <p>5.2 V_{p-p} (V)</p>	<p>⑱</p> <p>6.4 V_{p-p} (H)</p>



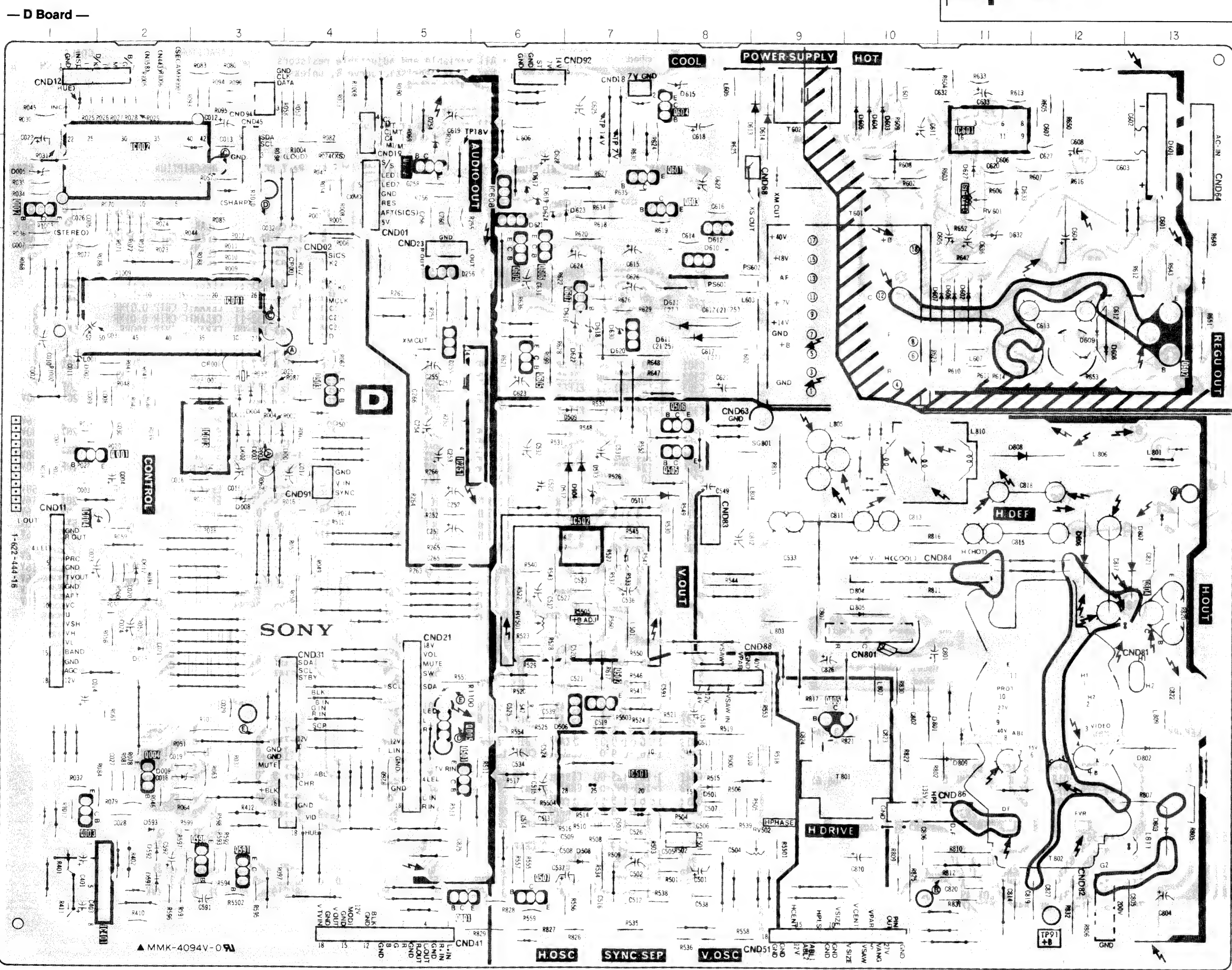
D (SYSTEM CONTROL, MEMORY, POWER CONTROL, JUNGLE, H-V OUT)

KX-2910 KX-2910



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

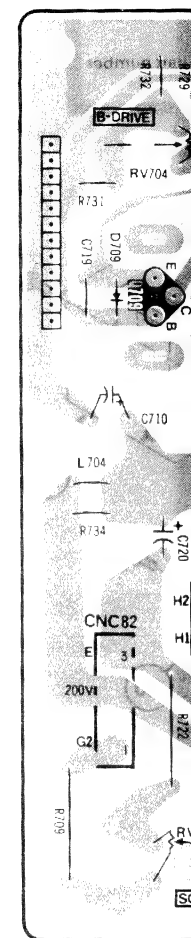
C (R-G-B OUT)



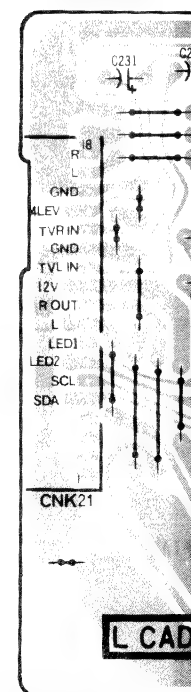
D BOARD

IC		DIODE	
IC001	D-3	D001	E-4
IC002	B-2	D002	E-3
IC003	E-3	D003	E-3
IC251	E-6	D004	D-3
IC501	H-7	D005	B-1
IC502	F-7	D007	D-1
IC601	B-11	D008	F-3
IC608	B-6	D009	I-3
		D011	E-3
		D012	F-2
TRANSISTOR			
Q002	B-1	D254	B-5
Q003	I-2	D255	D-5
Q004	H-2	D256	C-5
Q005	H-5	D501	I-8
Q501	H-6	D504	E-7
Q502	H-7	D506	H-7
Q505	F-8	D508	I-7
Q506	E-8	D509	D-7
Q507	J-6	D511	F-8
Q591	I-3	D512	E-7
Q598	I-3	D513	E-7
Q602	D-13	D591	J-2
Q603	B-8	D592	I-2
Q604	A-8	D601	B-13
Q605	D-6	D602	C-11
Q606	C-6	D603	A-10
Q607	C-7	D604	A-10
Q609	C-6	D605	A-10
Q801	J-6	D606	C-11
Q804	G-13	D607	C-11
Q805	H-10	D608	D-11
		D609	D-12
		D610	C-8
		D611	D-8
		D612	C-8
		D613	A-9
		D614	B-9
		D615	A-8
		D616	D-7
		D618	D-7
		D620	D-8
		D622	D-7
		D623	C-7
		D627	B-11
		D630	D-7
		D632	C-11
		D633	C-11
		D801	H-11
		D802	H-13
		D803	I-13
		D804	G-10
		D805	G-10
		D806	F-12
		D807	F-13
		D808	E-12
		D809	H-11
VARIABLE RESISTOR			
RV501	G-6		
RV502	I-9		

C Board



KS Board



KS (STEREO)

The diagram illustrates the internal architecture of the SCART R/P system. It features a central 'Switching logic' block that manages the routing of signals between the 'SCART R/P' and the 'Ch1/Ch2' input. The 'Switching logic' is connected to a 'D/A converter' which provides 5-bit and 6-bit digital outputs. These outputs are then processed by a series of modules: 'B' (Brightness), 'T' (Tint), 'Bw' (Bandwidth), and 'Volume'. The system also includes a '12Cbus interface', an 'LED driver', and a '-1' gain block. A 'Quosistereo' section shows a stereo-to-mono conversion circuit using an op-amp and resistors. The entire system is powered by a 24V supply and includes a ground connection.

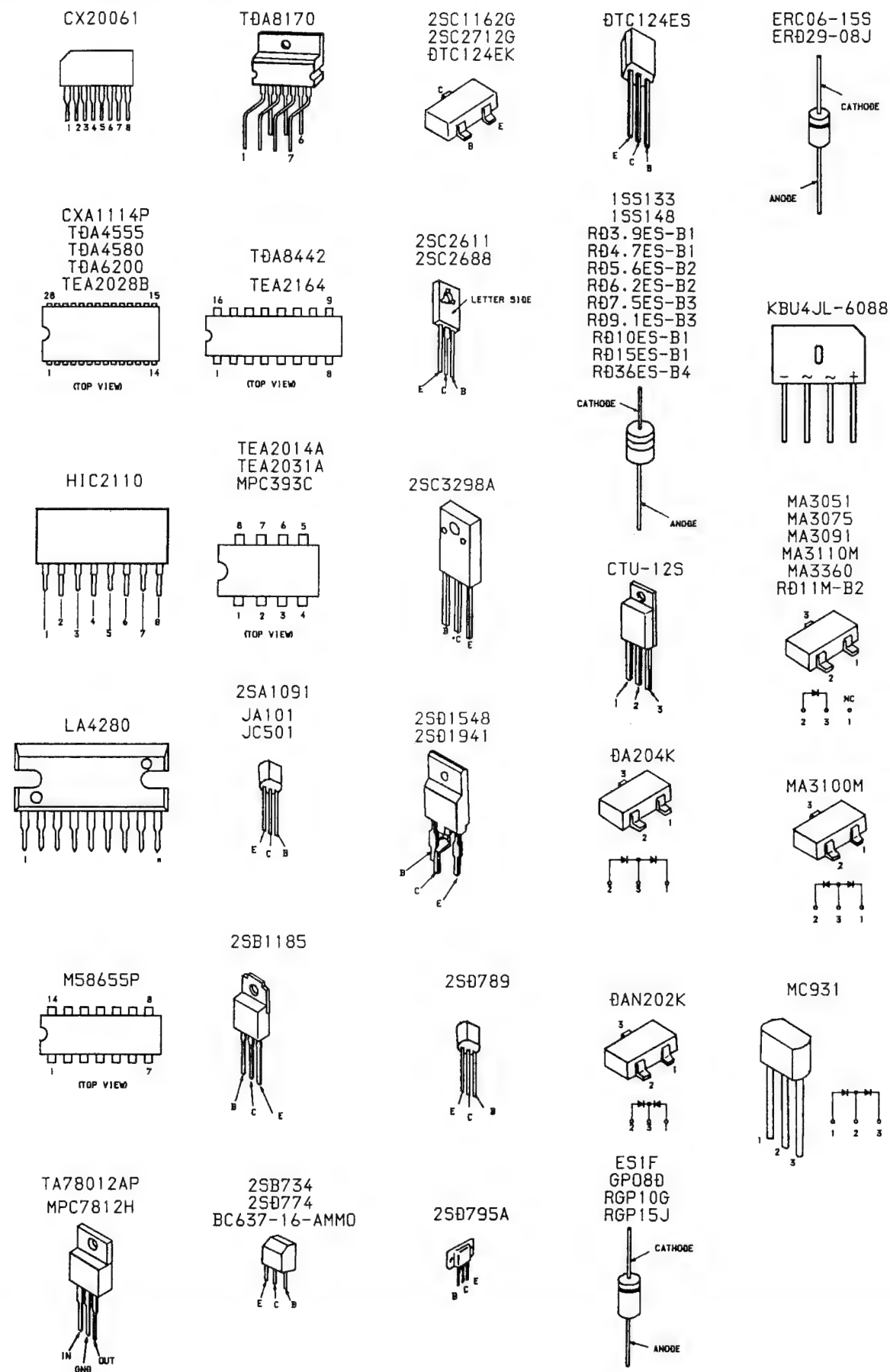
[illegible]

The diagram illustrates the functional blocks and their interconnections for a video recording system. Key components include:

- Input/Control Section:** H. SYNC (26), SAFETY INPUT (28), VCR INPUT (23), IDET. (22), SUBST. (21), AGC KEY PULSE (20), and VCO 500KHz (19).
- Timing and Identification Section:** VIDEO IDENTIFICAT. (24), 1 INHIBITION + TIME C SWITCHING (25), 50/60 Hz FRAME TIMING IDENTIFICATION LOGIC (2), and HORIZONTAL LOGIC TIMING (15).
- Signal Processing Section:** LINE (16), REFER. CURRENT VOLTAGE (14), H. SAW. TOOTH GENERATOR (13), and H. OUTPUT (12).
- Output and Safety Section:** FRAME SAW-TOOTH OUTPUT (3), FRAME BLANK OUTPUT (4), FRAME SAFETY (5), S.M.P.S. (7), S.M.P.S. OUTPUT (6), SAFETY LOGIC (1), SWITCH ON/OFF + SAFETY CIRCUIT (17), and SOFT STARTING CIRCUIT (18).
- Other Components:** AL1 (11), S. SAND CASTLE (10), and a 2μs timing element (25).

The diagram is numbered 1 through 28, indicating specific points or components within the system.

5-4. SEMICONDUCTORS



SECTION 6 EXPLODED VIEWS

NOTE:

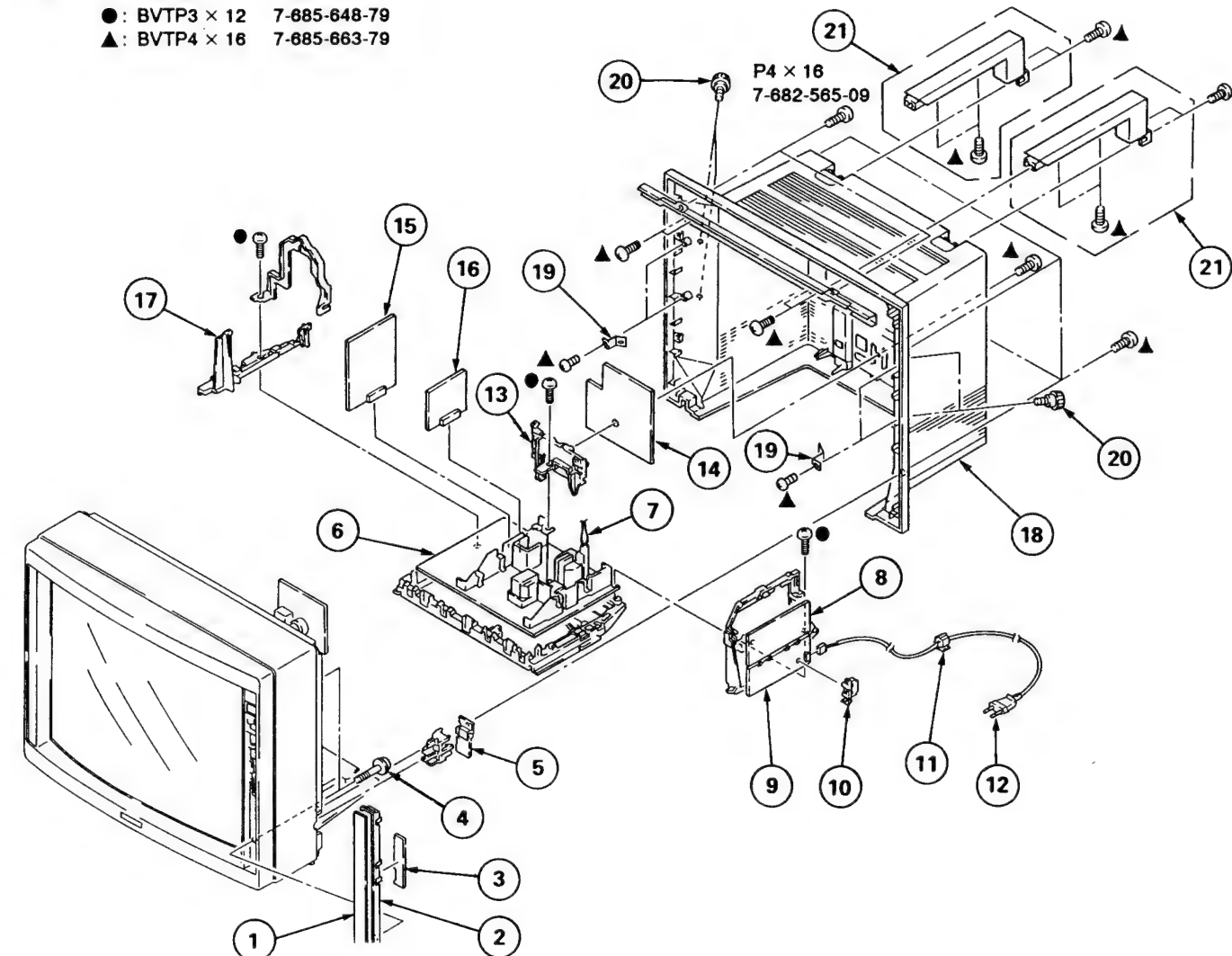
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

6-1. CHASSIS

- : BVTP3 \times 12 7-685-648-79
- ▲: BVTP4 \times 16 7-685-663-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-393-598-01	LABEL (B)		12	Δ 1-574-299-11	CORD, POWER (WITH CONNECTOR)	
2	4-390-714-01	BRACKET, H PC BOARD		13	*4-386-624-11	BRACKET, J	
3	*1-630-632-23	H10 BOARD		14	*A-1388-098-A	J1 BOARD, COMPLETE	
4	4-319-520-11	SCREW, SPECIAL (+PW4X30)		15	*A-1135-574-A	B BOARD, COMPLETE	
5	*1-630-634-23	J3 BOARD		16	*1-629-781-22	KS BOARD	
6	*A-1345-858-A	D BOARD, COMPLETE		17	*4-386-629-12	BRACKET, A	
7	Δ 1-439-418-41	TRANSFORMER ASSY, FLYBACK (UX-1616)		18	4-390-723-11	COVER, REAR	
8	*1-630-852-11	D1 BOARD		19	4-390-735-01	BRACKET, SPEAKER	
9	*1-629-719-23	F1 BOARD		20	X-4374-104-1	SCREW (B) ASSY, ORNAMENTAL	
10	*4-386-620-02	COVER, POWER		21	X-4390-706-1	HANDLE ASSY	
11	Δ 4-389-201-02	HOLDER, AC CORD					

ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

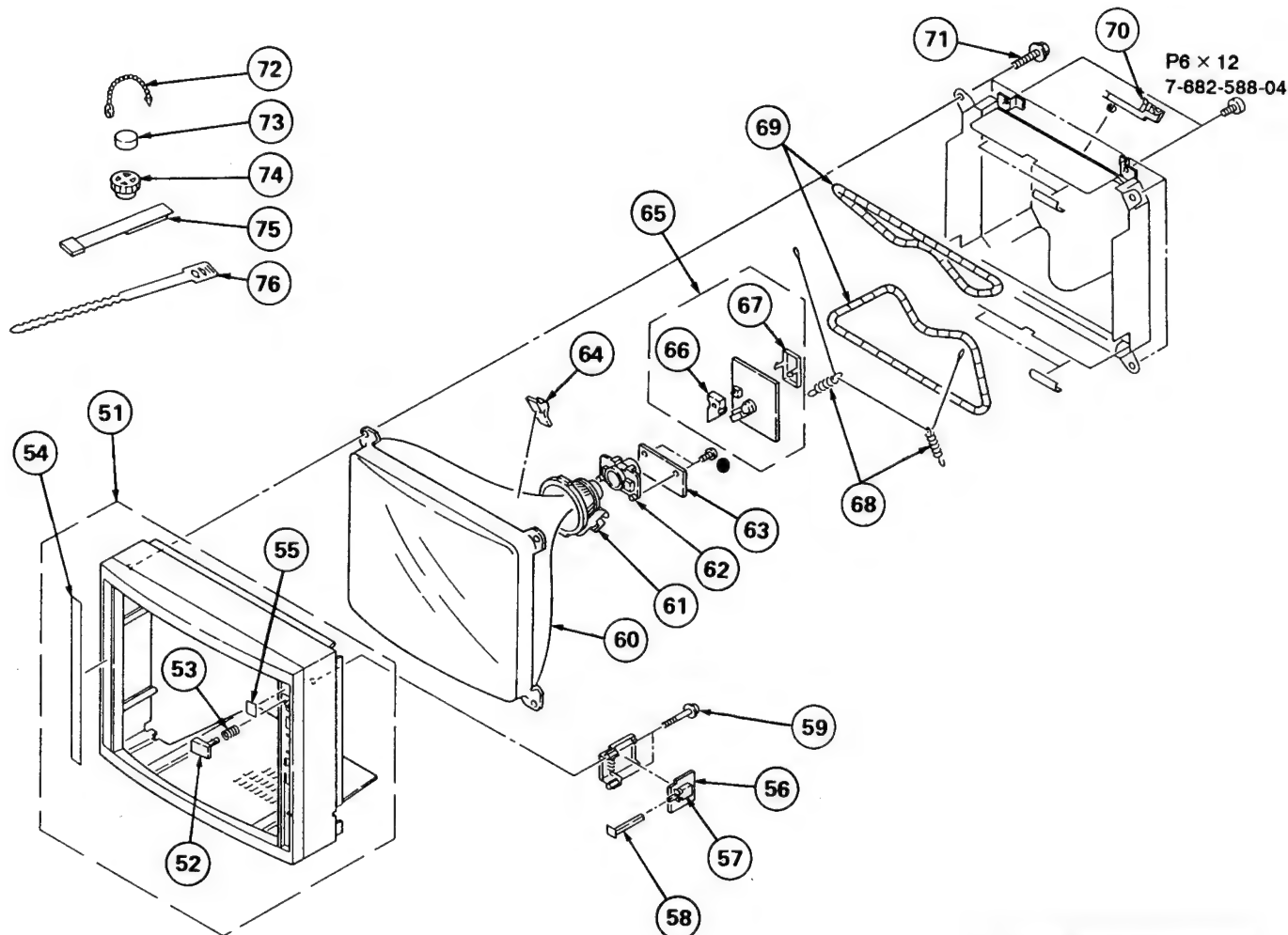
COILS

• MF : μ F, PF : μ P• MMH : mH, UH : μ H

RESISTORS

• All resistors are in ohms
• F : nonflammable

6-2. PICTURE TUBE

● : BVTP3 \times 12 7-685-648-79

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4390-701-2	BEZNET ASSY		64	3-703-961-01	SPACER, DY	
52	4-390-704-01	BUTTON, POWER		65	*A-1331-018-A	C BOARD, COMPLETE	66, 67
53	3-666-528-00	SPRING, COMPRESSION		66	*4-379-167-01	COVER (MAIN), CV	
54	4-390-733-21	LABEL (L)		67	*4-379-160-01	COVER (REAR LID), CV	
55	4-390-732-01	LABEL (A) (R)		68	4-369-318-00	SPRING, TENSION	
56	*1-630-633-23	F3 BOARD		69	Δ 1-426-398-11	COIL, DEMAGNETIZATION	
57	Δ 1-571-433-11	SWITCH, PUSH (AC POWER)		70	*4-387-216-01	HOLDER, LEAD	
58	4-390-705-01	SHAFT, BUTTON		71	4-373-263-11	SCREW (M), PT	
59	4-319-520-11	SCREW, SPECIAL (+PW4X30)		72	4-308-870-00	CLIP, LEAD WIRE	
60	Δ 8-733-823-05	PICTURE TUBE (A68JYK60X)		73	1-452-032-00	MAGNET, DISK; 10MM ϕ	
61	Δ 1-451-313-22	DEFLECTION YOKE (Y29FXA)		74	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
62	Δ 1-452-509-12	NECK ASSY, PICTURE TUBE (NA-308)		75	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
63	*1-629-782-23	VM BOARD		76	3-701-007-00	BAND, BINDING	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-574-A B BOARD, COMPLETE *****				C351	1-106-375-12	MYLAR 0.022MF	10% 250V
<CONNECTOR>				C352	1-106-375-12	MYLAR 0.022MF	10% 250V
B31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		C354	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
B32	*1-568-879-51	PIN, CONNECTOR 4P		C355	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
B72	*1-564-521-11	PLUG, CONNECTOR 6P		C357	1-163-107-00	CERAMIC CHIP 39PF	5% 50V
B73	*1-568-878-81	PIN, CONNECTOR 3P		C358	1-124-963-11	ELECT 33MF	20% 16V
<CAPACITOR>				C359	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C301	1-106-228-00	MYLAR 0.22MF	10% 100V	C360	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C302	1-106-228-00	MYLAR 0.22MF	10% 100V	C361	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C303	1-126-101-11	ELECT 100MF	20% 16V	C364	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C304	1-106-228-00	MYLAR 0.22MF	10% 100V	C365	1-124-477-11	ELECT 47MF	20% 16V
C305	1-124-119-00	ELECT 330MF	20% 16V	C366	1-124-477-11	ELECT 47MF	20% 16V
C306	1-124-902-00	ELECT 0.47MF	20% 50V	C367	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C307	1-124-902-00	ELECT 0.47MF	20% 50V	C381	1-124-902-00	ELECT 0.47MF	20% 50V
C308	1-124-902-00	ELECT 0.47MF	20% 50V	C382	1-124-927-11	ELECT 4.7MF	20% 50V
C309	1-124-902-00	ELECT 0.47MF	20% 50V	C384	1-124-477-11	ELECT 47MF	20% 16V
C310	1-106-220-00	MYLAR 0.1MF	10% 100V	C385	1-124-927-11	ELECT 4.7MF	20% 50V
C311	1-106-220-00	MYLAR 0.1MF	10% 100V	C386	1-124-927-11	ELECT 4.7MF	20% 50V
C312	1-124-902-00	ELECT 0.47MF	20% 50V	C387	1-124-499-11	ELECT 1MF	20% 50V
C313	1-124-902-00	ELECT 0.47MF	20% 50V	C396	1-102-947-00	CERAMIC 10PF	1PF 50V
C314	1-124-902-00	ELECT 0.47MF	20% 50V	C397	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C315	1-124-499-11	ELECT 1MF	20% 50V	C398	1-124-477-11	ELECT 47MF	20% 16V
C319	1-124-477-11	ELECT 47MF	20% 16V	C399	1-126-103-11	ELECT 470MF	20% 16V
C325	1-124-477-11	ELECT 47MF	20% 16V	C1311	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
C326	1-164-232-11	CERAMIC CHIP 0.01MF	50V	C1314	1-124-477-11	ELECT 47MF	20% 16V
C327	1-164-232-11	CERAMIC CHIP 0.01MF	50V	C1315	1-124-477-11	ELECT 47MF	20% 16V
C330	1-164-232-11	CERAMIC CHIP 0.01MF	50V	C1316	1-124-477-11	ELECT 47MF	20% 16V
C331	1-124-963-11	ELECT 33MF	20% 16V	C1317	1-124-477-11	ELECT 47MF	20% 16V
C332	1-124-119-00	ELECT 330MF	20% 16V	C1318	1-124-477-11	ELECT 47MF	20% 16V
C333	1-163-033-00	CERAMIC CHIP 0.022MF	50V	C1320	1-164-232-11	CERAMIC CHIP 0.01MF	50V
C334	1-163-111-00	CERAMIC CHIP 56PF	5% 50V	<TRIMMER>			
C335	1-163-035-00	CERAMIC CHIP 0.047MF	50V	CT331	1-141-181-11	CAP, TRIMMER	
C336	1-106-367-00	MYLAR 0.01MF	10% 400V	CT332	1-141-181-11	CAP, TRIMMER	
C337	1-164-232-11	CERAMIC CHIP 0.01MF	50V	<DIODE>			
C338	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D305	8-719-400-18	DIODE MA152WK	
C339	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D307	8-719-106-62	DIODE RD11M-B2	
C340	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D310	8-719-106-62	DIODE RD11M-B2	
C341	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D311	8-719-106-62	DIODE RD11M-B2	
C342	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	D312	8-719-106-62	DIODE RD11M-B2	
C343	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	D314	8-719-800-76	DIODE 1SS226	
C344	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D315	8-719-800-76	DIODE 1SS226	
C345	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D316	8-719-800-76	DIODE 1SS226	
C346	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D317	8-719-400-18	DIODE MA152WK	
C347	1-124-499-11	ELECT 1MF	20% 50V	D318	8-719-400-18	DIODE MA152WK	
C348	1-124-499-11	ELECT 1MF	20% 50V	D319	8-719-400-18	DIODE MA152WK	
C349	1-136-173-00	FILM 0.47MF	5% 50V	D320	8-719-400-18	DIODE MA152WK	
C350	1-106-383-00	MYLAR 0.047MF	10% 100V	D331	8-719-400-18	DIODE MA152WK	

B

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D333	8-719-400-18	DIODE MA152WK		R307	1-216-097-00	METAL GLAZE 100K 5%	1/10W
D341	8-719-400-18	DIODE MA152WK		R309	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R310	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R311	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R312	1-216-033-00	METAL GLAZE 220 5%	1/10W
		<DELAY LINE>					
DL331	1-415-122-00	DELAY LINE		R313	1-216-081-00	METAL GLAZE 22K 5%	1/10W
DL332	1-236-062-11	MODULE, Y DELAY LINE		R314	1-216-041-00	METAL GLAZE 470 5%	1/10W
DL333	1-415-613-11	DELAY LINE, Y		R315	1-216-029-00	METAL GLAZE 150 5%	1/10W
				R316	1-216-029-00	METAL GLAZE 150 5%	1/10W
				R317	1-216-029-00	METAL GLAZE 150 5%	1/10W
		<IC>					
IC301	8-759-979-85	IC TDA4580-V4		R318	1-216-073-00	METAL GLAZE 10K 5%	1/10W
IC302	8-759-980-60	IC TDA8442-N3		R319	1-216-033-00	METAL GLAZE 220 5%	1/10W
IC311	8-759-947-20	IC TDA4555-V8		R321	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
IC332	8-752-006-12	IC CX20061		R322	1-216-055-00	METAL GLAZE 1.8K 5%	1/10W
IC333	8-752-006-12	IC CX20061		R323	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
IC1301	1-235-534-11	CONTROL MODULE, PICTURE		R324	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
				R325	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R326	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
				R327	1-216-041-00	METAL GLAZE 470 5%	1/10W
				R328	1-216-158-00	METAL GLAZE 22 5%	1/8W
		<COIL>					
L301	1-408-405-00	INDUCTOR 4.7UH		R329	1-216-158-00	METAL GLAZE 22 5%	1/8W
L302	1-408-405-00	INDUCTOR 4.7UH		R330	1-216-158-00	METAL GLAZE 22 5%	1/8W
L331	1-408-408-00	INDUCTOR 8.2UH		R331	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
L332	1-404-539-11	COIL		R332	1-216-017-00	METAL GLAZE 47 5%	1/10W
L333	1-404-554-11	COIL		R333	1-216-039-00	METAL GLAZE 390 5%	1/10W
L334	1-404-554-11	COIL		R334	1-216-031-00	METAL GLAZE 180 5%	1/10W
L335	1-404-554-11	COIL		R335	1-216-045-00	METAL GLAZE 680 5%	1/10W
L336	1-408-417-00	INDUCTOR 47UH		R336	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
L337	1-408-422-00	INDUCTOR 120UH		R337	1-216-066-00	METAL GLAZE 5.1K 5%	1/10W
L338	1-408-416-00	INDUCTOR 39UH		R338	1-216-073-00	METAL GLAZE 10K 5%	1/10W
L339	1-408-405-00	INDUCTOR 4.7UH					
				R339	1-216-033-00	METAL GLAZE 220 5%	1/10W
				R340	1-216-089-00	METAL GLAZE 47K 5%	1/10W
				R341	1-216-035-00	METAL GLAZE 270 5%	1/10W
				R342	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R343	1-216-073-00	METAL GLAZE 10K 5%	1/10W
		<TRANSISTOR>					
Q302	8-729-271-22	TRANSISTOR 2SC2712-G		R344	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q303	8-729-271-22	TRANSISTOR 2SC2712-G		R346	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
Q305	8-729-901-00	TRANSISTOR DTC124EK		R348	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q306	8-729-271-22	TRANSISTOR 2SC2712-G		R352	1-216-109-00	METAL GLAZE 330K 5%	1/10W
Q307	8-729-271-22	TRANSISTOR 2SC2712-G		R353	1-216-109-00	METAL GLAZE 330K 5%	1/10W
Q308	8-729-216-22	TRANSISTOR 2SA1162		R354	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q309	8-729-271-22	TRANSISTOR 2SC2712-G		R355	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q311	8-729-271-22	TRANSISTOR 2SC2712-G		R356	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
Q312	8-729-271-22	TRANSISTOR 2SC2712-G		R357	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q313	8-729-271-22	TRANSISTOR 2SC2712-G		R358	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q316	8-729-271-22	TRANSISTOR 2SC2712-G		R359	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q317	8-729-216-22	TRANSISTOR 2SA1162		R360	1-216-089-00	METAL GLAZE 47K 5%	1/10W
Q331	8-729-271-22	TRANSISTOR 2SC2712-G		R361	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
Q332	8-729-901-00	TRANSISTOR DTC124EK		R363	1-216-035-00	METAL GLAZE 270 5%	1/10W
Q333	8-729-901-00	TRANSISTOR DTC124EK		R364	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q335	8-729-271-22	TRANSISTOR 2SC2712-G		R365	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q344	8-729-271-22	TRANSISTOR 2SC2712-G		R367	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q381	8-729-901-00	TRANSISTOR DTC124EK		R368	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q382	8-729-271-22	TRANSISTOR 2SC2712-G		R369	1-216-049-00	METAL GLAZE 1K 5%	1/10W
Q1305	8-729-271-22	TRANSISTOR 2SC2712-G		R370	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
Q1306	8-729-216-22	TRANSISTOR 2SA1162		R371	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R376	1-216-073-00	METAL GLAZE 10K 5%	1/10W
				R378	1-216-097-00	METAL GLAZE 100K 5%	1/10W
				R379	1-216-097-00	METAL GLAZE 100K 5%	1/10W
				R380	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
		<RESISTOR>					
R301	1-216-033-00	METAL GLAZE 220 5%	1/10W	R381	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R302	1-216-033-00	METAL GLAZE 220 5%	1/10W	R382	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R303	1-216-033-00	METAL GLAZE 220 5%	1/10W	R383	1-216-111-00	METAL GLAZE 390K 5%	1/10W
R304	1-216-033-00	METAL GLAZE 220 5%	1/10W	R385	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R305	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W				

B	F3	F1	C
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REF.NO.	PART NO.	DESCRIPTION	REMARK
R386	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R389	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R392	1-216-168-00	METAL GLAZE	56 5% 1/8W
R393	1-216-168-00	METAL GLAZE	56 5% 1/8W
R394	1-216-168-00	METAL GLAZE	56 5% 1/8W
R395	1-249-441-11	CARBON	100K 5% 1/4W
R398	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R399	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1301	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1302	1-216-089-00	METAL GLAZE	47K 5% 1/10W
R1304	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1305	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1306	1-216-047-00	METAL GLAZE	820 5% 1/10W
R1307	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1308	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1309	1-216-029-00	METAL GLAZE	150 5% 1/10W
R1310	1-216-045-00	METAL GLAZE	680 5% 1/10W
R1311	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1312	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1313	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1324	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1325	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R1701	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1702	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1703	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1704	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1705	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1706	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1707	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1708	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1709	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1710	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1711	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1712	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1713	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1714	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1715	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1716	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1717	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1718	1-216-296-00	METAL GLAZE	0 5% 1/8W
R1719	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1720	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1721	1-216-295-00	METAL GLAZE	0 5% 1/10W
<VARIABLE RESISTOR>			
RV331	1-238-009-11	RES, ADJ, CARBON 220	
<TRANSFORMER>			
T331	1-404-584-11	COIL	
<CRYSTAL>			
X331	1-567-307-11	OSCILLATOR, CRYSTAL	
X332	1-567-131-00	OSCILLATOR, CRYSTAL	

*1-630-633-23	F3 BOARD	*****	
<CONNECTOR>			
F62	*1-566-664-11	PIN, CONNECTOR 4P	
<SWITCH>			
S1701A	1-571-433-11	SWITCH, PUSH (AC POWER)	

*1-629-719-23	F1 BOARD	*****	
<CAPACITOR>			
C1601A	1-136-518-11	FILM	0.33MF 20% 300V
C1602A	1-136-519-11	FILM	0.47MF 20% 300V
C1603A	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C1604A	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C1605A	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C1606A	1-162-578-51	CERAMIC	0.0047MF 20% 400V
C1607A	1-161-964-61	CERAMIC	0.0047MF 250V
<CONNECTOR>			
F61	*1-566-664-11	PIN, CONNECTOR 4P	
F64	*1-506-348-99	PIN, CONNECTOR 3P	
F65	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
F66	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
F162	*1-506-348-99	PIN, CONNECTOR 4P	
<FUSE>			
F1601A	1-576-041-11	FUSE, GLASS-TUBE (TIME-LAG) 4A/250V	
	1-533-087-00	HOLDER, FUSE; F1601	
<TRANSFORMER>			
LF1601A	1-421-776-11	LFT	
LF1602A	1-421-776-11	LFT	
LF1603A	1-421-592-11	TRANSFORMER, FERRITE	
<RESISTOR>			
R1601A	1-247-855-91	CARBON	10K 5% 1/4W
R1602A	1-244-945-91	CARBON	1M 5% 1/2W

C

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<CAPACITOR>				R713	1-215-471-00	METAL	120K 1% 1/6W
C703	1-102-980-00	CERAMIC	270PF 5% 50V	R714	1-215-923-00	METAL OXIDE	10K 5% 3W F
C704	1-102-116-00	CERAMIC	680PF 10% 50V	R715	1-202-824-00	SOLID	3.3K 10% 1/2W
C705	1-102-978-00	CERAMIC	220PF 5% 50V	R716	1-249-409-11	CARBON	220 5% 1/4W
C706	1-102-116-00	CERAMIC	680PF 10% 50V	R717	1-249-415-11	CARBON	680 5% 1/4W
C707	1-162-116-00	CERAMIC	680PF 10% 2KV	R718	1-202-814-11	SOLID	33K 10% 1/2W
C708	1-162-114-00	CERAMIC	0.0047MF 2KV	R719	1-249-401-11	CARBON	47 5% 1/4W
C709	1-102-116-00	CERAMIC	680PF 10% 50V	R720	1-249-423-11	CARBON	3.3K 5% 1/4W
C710	1-123-947-00	ELECT	10MF 20% 250V	R721	1-202-842-11	SOLID	220K 10% 1/2W
C711	1-101-880-00	CERAMIC	47PF 5% 50V	R722	1-202-848-00	SOLID	680K 10% 1/2W
C712	1-102-980-00	CERAMIC	270PF 5% 50V	R723	1-249-417-11	CARBON	1K 5% 1/4W
C714	1-124-360-00	ELECT	1000MF 20% 16V	R724	1-202-846-00	SOLID	470K 10% 1/2W
C716	1-162-622-11	CERAMIC	330PF 10% 6.3KV	R725	1-202-838-00	SOLID	100K 10% 1/2W
C717	1-102-114-00	CERAMIC	470PF 10% 50V	R726	1-202-824-00	SOLID	3.3K 10% 1/2W
C718	1-102-114-00	CERAMIC	470PF 10% 50V	R727	1-249-409-11	CARBON	220 5% 1/4W
C719	1-102-114-00	CERAMIC	470PF 10% 50V	R728	1-216-347-11	METAL OXIDE	0.68 5% 1W F
C719	1-102-114-00	CERAMIC	470PF 10% 50V	R729	1-249-416-11	CARBON	820 5% 1/4W
<DIODE>				R730	1-249-401-11	CARBON	47 5% 1/4W
D701	8-719-110-14	DIODE RD9.1ES-B3		R731	1-249-423-11	CARBON	3.3K 5% 1/4W
D702	8-719-911-19	DIODE 1SS119		R732	1-249-415-11	CARBON	680 5% 1/4W
D703	8-719-911-19	DIODE 1SS119		R733	1-249-415-11	CARBON	680 5% 1/4W
D704	8-719-911-19	DIODE 1SS119		R734	1-249-405-11	CARBON	100 5% 1/4W
D705	8-719-911-19	DIODE 1SS119		R735	1-215-493-00	METAL	1M 1% 1/6W
D706	8-719-911-19	DIODE 1SS119		R736	1-215-923-00	METAL OXIDE	10K 5% 3W F
D707	8-719-911-19	DIODE 1SS119		R737	1-215-485-00	METAL	470K 1% 1/6W
D708	8-719-911-19	DIODE 1SS119		R739	1-249-417-11	CARBON	1K 5% 1/4W
D709	8-719-911-19	DIODE 1SS119		<VARIABLE RESISTOR>			
D710	8-719-911-19	DIODE 1SS119		RV701	1-230-641-11	RES, ADJ, METAL GLAZE	2.2M
D711	8-719-300-33	DIODE RU-3AM		RV702	1-230-619-11	RES, ADJ, METAL GLAZE	110M
D713	8-719-911-19	DIODE 1SS119		RV703	1-237-749-11	RES, ADJ, CARBON	2200
D713	8-719-911-19	DIODE 1SS119		RV704	1-237-749-11	RES, ADJ, CARBON	2200
<JACK>				*****			
J701	1-526-798-51	SOCKET, PICTURE TUBE		*1-630-852-11	D1 BOARD	*****	
<COIL>				<CAPACITOR>			
L704	1-410-878-21	INDUCTOR	33UH	C5005	1-106-379-12	MYLAR	0.033MF 10% 250V
<TRANSISTOR>				C5006	1-124-499-11	ELECT	1MF 20% 50V
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5007	1-106-363-00	MYLAR	0.0068MF 10% 400V
Q703	8-729-326-11	TRANSISTOR 2SC2611		C5008	1-102-106-00	CERAMIC	100PF 10% 50V
Q704	8-729-200-17	TRANSISTOR 2SA1091		C5027	1-124-910-11	ELECT	47MF 20% 50V
Q705	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5028	1-106-383-00	MYLAR	0.047MF 10% 100V
Q706	8-729-326-11	TRANSISTOR 2SC2611		C5029	1-124-910-11	ELECT	47MF 20% 50V
Q707	8-729-200-17	TRANSISTOR 2SA1091		C5042	1-108-704-11	MYLAR	0.1MF 10% 200V
Q708	8-729-119-78	TRANSISTOR 2SC2785-HFE		C5043	1-106-228-00	MYLAR	0.22MF 10% 100V
Q709	8-729-326-11	TRANSISTOR 2SC2611		C5044	1-124-120-11	ELECT	220MF 20% 25V
Q710	8-729-200-17	TRANSISTOR 2SA1091		C5047	1-102-244-00	CERAMIC	220PF 10% 500V
<RESISTOR>				C5050	1-124-120-11	ELECT	220MF 20% 25V
R704	1-215-923-00	METAL OXIDE	10K 5% 3W F	<DIODE>			
R705	1-202-824-00	SOLID	3.3K 10% 1/2W	D5013	8-719-300-33	DIODE RU-3AM	
R706	1-249-409-11	CARBON	220 5% 1/4W	<CONNECTOR>			
R707	1-249-412-11	CARBON	390 5% 1/4W	D1-4	*1-568-879-61	PIN, CONNECTOR	4P
R708	1-249-401-11	CARBON	47 5% 1/4W	D1-86	*1-508-766-00	PIN, CONNECTOR (5MM PITCH)	4P
R709	1-202-844-00	SOLID	330K 10% 1/2W	D1-88	*1-568-882-71	PIN, CONNECTOR	7P
R710	1-215-465-00	METAL	68K 1% 1/6W				
R712	1-249-417-11	CARBON	1K 5% 1/4W				

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VM

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<IC>				<RESISTOR>			
IC5001	8-759-103-93	IC UPC393C		Q751	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC5004	8-759-280-12	IC TA78012AP		Q752	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	*4-368-683-01	SPRING; IC5004		Q753	8-729-140-97	TRANSISTOR 2SB734-34	
<COIL>				Q754	8-729-140-96	TRANSISTOR 2SD774-34	
L5002	1-410-093-11	INDUCTOR 33MMH		<RESISTOR>			
L5005	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)		R751	1-249-418-11	CARBON 1.2K 5% 1/4W	
L5006	1-459-592-11	COIL (WITH CORE) (PMC)		R752	1-249-426-11	CARBON 5.6K 5% 1/4W	
L5007	1-459-941-12	COIL, CHOKE 3.4MMH		R753	1-249-414-11	CARBON 560 5% 1/4W	
<TRANSISTOR>				R754	1-249-434-11	CARBON 27K 5% 1/4W	
Q5002	8-729-119-78	TRANSISTOR 2SC2785-HFE		R755	1-249-405-11	CARBON 100 5% 1/4W	
Q5019	8-729-140-96	TRANSISTOR 2SD774-34		R756	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q5020	8-729-208-72	TRANSISTOR 2SC3298B-Y		R757	1-249-405-11	CARBON 100 5% 1/4W	
<RESISTOR>				R758	1-249-409-11	CARBON 220 5% 1/4W	
R5011	1-249-429-11	CARBON 10K 5% 1/4W		R760	1-249-411-11	CARBON 330 5% 1/4W	
R5012	1-249-421-11	CARBON 2.2K 5% 1/4W		R761	1-249-429-11	CARBON 10K 5% 1/4W	
R5013	1-249-435-11	CARBON 33K 5% 1/4W		R762	1-247-895-00	CARBON 470K 5% 1/4W	
R5014	1-249-429-11	CARBON 10K 5% 1/4W		R763	1-249-429-11	CARBON 10K 5% 1/4W	
R5015	1-249-421-11	CARBON 2.2K 5% 1/4W		R764	1-249-455-11	CARBON 4.7 5% 1/4W F	
R5016	1-249-421-11	CARBON 2.2K 5% 1/4W		R765	1-249-455-11	CARBON 4.7 5% 1/4W F	
R5017	1-249-417-11	CARBON 1K 5% 1/4W		R766	1-247-753-11	CARBON 1.2K 5% 1/2W	
R5018	1-249-429-11	CARBON 10K 5% 1/4W		R767	1-247-751-11	CARBON 820 5% 1/2W	
R5019	1-249-441-11	CARBON 100K 5% 1/4W		R768	1-215-887-00	METAL OXIDE 150 5% 2W F	
R5020	1-249-429-11	CARBON 10K 5% 1/4W		R769	1-212-889-00	FUSIBLE 220 5% 1/4W F	
R5061	1-216-476-11	METAL OXIDE 180 5% 3W F		R770	1-212-936-00	FUSIBLE 1.2 5% 1/2W F	
R5067	1-215-908-00	METAL OXIDE 33 5% 3W F		<CONNECTOR>			
R5068	1-249-417-11	CARBON 1K 5% 1/4W		VM73	*1-568-878-81	PIN, CONNECTOR 3P	
R5093	1-249-429-11	CARBON 10K 5% 1/4W		VM88	*1-568-879-61	PIN, CONNECTOR 4P	
R5094	1-215-911-11	METAL OXIDE 100 5% 3W F		*****			
R5095	1-249-425-11	CARBON 4.7K 5% 1/4W		*A-1345-858-A D BOARD, COMPLETE			
R5602	1-216-476-11	METAL OXIDE 180 5% 3W F		*****			
<TRANSFORMER>				*4-341-751-01 EYELET			
T5001	1-413-059-00	TRANSFORMER, FERRITE (DFT)		*4-341-752-01 EYELET			
*****				*4-368-683-01 SPRING (Q60S)			
*1-629-782-23 VM BOARD				<CAPACITOR>			
*****				C005	1-102-074-00	CERAMIC 0.001MF 10% 50V	
<CAPACITOR>				C007	1-106-383-00	MYLAR 0.047MF 10% 100V	
C751	1-101-361-00	CERAMIC 150PF 5% 50V		C008	1-101-880-00	CERAMIC 47PF 5% 50V	
C752	1-106-373-00	MYLAR 0.018MF 10% 250V		C009	1-101-884-00	CERAMIC 56PF 5% 50V	
C753	1-106-367-00	MYLAR 0.01MF 10% 400V		C010	1-124-122-11	ELECT 100MF 20% 50V	
C754	1-102-980-00	CERAMIC 270PF 5% 50V		C011	1-101-004-00	CERAMIC 0.01MF 50V	
C757	1-108-692-11	MYLAR 0.01MF 10% 200V		C012	1-124-122-11	ELECT 100MF 20% 50V	
C759	1-123-875-11	ELECT 10MF 20% 50V		C013	1-101-004-00	CERAMIC 0.01MF 50V	
C760	1-124-917-11	ELECT 33MF 20% 50V		C015	1-124-910-11	ELECT 47MF 20% 50V	
C761	1-101-006-00	CERAMIC 0.047MF 50V		C016	1-101-004-00	CERAMIC 0.01MF 50V	
C762	1-106-367-00	MYLAR 0.01MF 10% 400V		C017	1-123-875-11	ELECT 10MF 20% 50V	
<COIL>				C018	1-102-980-00	CERAMIC 270PF 5% 50V	
L751	1-408-413-00	INDUCTOR 22UH		C019	1-106-383-00	MYLAR 0.047MF 10% 100V	
<TRANSISTOR>				C020	1-102-973-00	CERAMIC 100PF 5% 50V	
				C021	1-102-973-00	CERAMIC 100PF 5% 50V	
				C022	1-124-910-11	ELECT 47MF 20% 50V	
				C023	1-124-499-11	ELECT 1MF 20% 50V	
				C024	1-124-499-11	ELECT 1MF 20% 50V	
				C025	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C026	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
				C027	1-106-220-00	MYLAR 0.1MF 10% 100V	
				C028	1-101-361-00	CERAMIC 150PF 5% 50V	

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C029	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C614	1-102-030-00	CERAMIC	330PF 10% 500V
C030	1-102-953-00	CERAMIC	18PF 5% 50V	C615	1-124-557-11	ELECT	1000MF 20% 25V
C031	1-124-120-11	ELECT	220MF 20% 16V	C616	1-102-030-00	CERAMIC	330PF 10% 500V
C032	1-102-978-00	CERAMIC	220PF 5% 50V	C618	1-124-637-11	ELECT	1000MF 20% 50V
C251	1-124-927-11	ELECT	4.7MF 20% 50V	C619	1-124-556-11	ELECT	2200MF 20% 16V
C252	1-124-927-11	ELECT	4.7MF 20% 50V	C620	1-102-074-00	CERAMIC	0.001MF 10% 50V
C253	1-124-122-11	ELECT	100MF 20% 50V	C621	1-124-347-00	ELECT	100MF 20% 160V
C254	1-124-927-11	ELECT	4.7MF 20% 50V	C622	1-124-556-11	ELECT	2200MF 20% 16V
C255	1-124-927-11	ELECT	4.7MF 20% 50V	C623	1-124-910-11	ELECT	47MF 20% 50V
C256	1-106-220-00	MYLAR	0.1MF 10% 100V	C624	1-124-122-11	ELECT	100MF 20% 50V
C257	1-101-004-00	CERAMIC	0.01MF 50V	C625	1-124-360-00	ELECT	1000MF 20% 16V
C258	1-106-220-00	MYLAR	0.1MF 10% 100V	C626	1-123-875-11	ELECT	10MF 20% 50V
C260	1-106-220-00	MYLAR	0.1MF 10% 100V	C627	1-102-074-00	CERAMIC	0.001MF 10% 50V
C265	1-102-074-00	CERAMIC	0.001MF 10% 50V	C631	1-124-927-11	ELECT	4.7MF 20% 50V
C266	1-102-074-00	CERAMIC	0.001MF 10% 50V	C632	1-102-074-00	CERAMIC	0.001MF 10% 50V
C501	1-124-927-11	ELECT	4.7MF 20% 50V	C633	1-124-927-11	ELECT	4.7MF 20% 50V
C502	1-124-927-11	ELECT	4.7MF 20% 50V	C636	1-123-382-00	ELECT	3.3MF 20% 50V
C503	1-106-371-00	MYLAR	0.015MF 10% 400V	C801	1-124-913-11	ELECT	470MF 20% 50V
C504	1-101-361-00	CERAMIC	150PF 5% 50V	C802	1-102-030-00	CERAMIC	330PF 10% 500V
C505	1-108-794-11	MYLAR	0.0015MF 5% 50V	C804	1-123-948-00	ELECT	22MF 20% 250V
C506	1-106-375-12	MYLAR	0.022MF 10% 250V	C805	1-162-114-00	CERAMIC	0.0047MF 2KV
C507	1-130-783-00	MYLAR	0.33MF 10% 100V	C806	1-106-220-00	MYLAR	0.1MF 10% 100V
C508	1-106-375-12	MYLAR	0.022MF 10% 250V	C807	1-106-395-00	MYLAR	0.15MF 10% 200V
C509	1-106-220-00	MYLAR	0.1MF 10% 100V	C810	1-124-494-00	ELECT	33MF 160V
C510	1-161-959-00	CERAMIC	22PF 10% 500V	C811	1-136-541-11	FILM	1.5MF 5% 200V
C511	1-108-798-11	MYLAR	0.0033MF 5% 50V	C812	1-124-634-11	ELECT	1MF 20% 250V
C512	1-106-220-00	MYLAR	0.1MF 10% 100V	C813	1-102-212-00	CERAMIC	820PF 10% 500V
C513	1-108-614-11	MYLAR	0.001MF 10% 100V	C814 Δ	1-161-731-11	CERAMIC	0.001MF 10% 2KV
C514	1-106-228-00	MYLAR	0.22MF 10% 100V	C815	1-136-111-00	FILM	1MF 5% 200V
C515	1-124-499-11	ELECT	1MF 20% 50V	C817	1-136-611-11	FILM	0.016MF 3% 1.4KV
C516	1-108-614-11	MYLAR	0.001MF 10% 100V	C818	1-129-722-00	FILM	0.047MF 10% 630V
C517	1-124-252-00	ELECT	0.33MF 20% 50V	C819 Δ	1-161-731-11	CERAMIC	0.001MF 10% 2KV
C518	1-124-902-00	ELECT	0.47MF 20% 50V	C820	1-106-218-00	MYLAR	0.0082MF 10% 400V
C519	1-136-173-00	FILM	0.47MF 5% 50V	C821 Δ	1-162-116-51	CERAMIC	680PF 10% 2KV
C520	1-102-121-00	CERAMIC	0.0022MF 10% 50V	C822	1-102-114-00	CERAMIC	470PF 10% 50V
C521	1-106-220-00	MYLAR	0.1MF 10% 100V	C823	1-106-359-00	MYLAR	0.0047MF 10% 400V
C522	1-124-122-11	ELECT	100MF 20% 50V	C824	1-102-212-00	CERAMIC	820PF 10% 500V
C523	1-108-614-11	MYLAR	0.001MF 10% 100V	C825	1-106-375-12	MYLAR	0.022MF 10% 250V
C524	1-108-798-11	MYLAR	0.0033MF 5% 50V	C826	1-123-875-11	ELECT	10MF 20% 50V
C525	1-102-973-00	CERAMIC	100PF 5% 50V	C827	1-106-375-12	MYLAR	0.022MF 10% 250V
C526	1-102-947-00	CERAMIC	10PF 0.5PF 50V	<FILTER>			
C527	1-106-220-00	MYLAR	0.1MF 10% 100V	CF001	1-577-082-11	VIBRATOR, CERAMIC	
C531	1-124-190-00	ELECT	680MF 10% 25V	CF501	1-567-888-11	OSCILLATOR, CERAMIC	
C532	1-124-122-11	ELECT	100MF 20% 50V	<CONNECTOR>			
C533	1-106-216-00	MYLAR	0.068MF 10% 100V	CN801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
C534	1-124-120-11	ELECT	220MF 20% 16V	D1	*1-564-505-11	PLUG, CONNECTOR 2P	
C536	1-131-365-00	TANTALUM	10MF 10% 16V	D2	*1-564-512-11	PLUG, CONNECTOR 9P	
C537	1-124-499-11	ELECT	1MF 20% 50V	D21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C538	1-108-614-11	MYLAR	0.001MF 10% 100V	D23	*1-568-879-71	PIN, CONNECTOR 4P	
C539	1-102-820-00	CERAMIC	330PF 5% 50V	D31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
C591	1-123-875-11	ELECT	10MF 20% 50V	D41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C592	1-124-477-11	ELECT	47MF 20% 16V	D45	*1-568-881-51	PIN, CONNECTOR 6P	
C593	1-102-820-00	CERAMIC	330PF 5% 50V	D51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C601	1-162-599-12	CERAMIC	0.0047MF 250V	D64	*1-506-348-99	PIN, CONNECTOR 3P	
C602	1-162-599-12	CERAMIC	0.0047MF 250V	D83	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
C603	1-162-599-12	CERAMIC	0.0047MF 250V	D84	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P	
C604	1-125-293-00	ELECT (BLOCK)	220MF 400V	D86	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
C605	1-124-122-11	ELECT	100MF 20% 50V	D88	*1-568-882-71	PIN, CONNECTOR 7P	
C606	1-106-220-00	MYLAR	0.1MF 10% 100V				
C607	1-130-019-00	FILM	0.0012MF 5% 50V				
C608	1-123-875-11	ELECT	10MF 20% 50V				
C611	1-124-122-11	ELECT	100MF 20% 50V				
C612	1-162-115-00	CERAMIC	330PF 10% 2KV				
C613	1-136-539-11	FILM	0.0022MF 3% 2KV				

D

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION
<DIODE>		
D001	8-719-911-19	DIODE 1SS119
D002	8-719-911-19	DIODE 1SS119
D003	8-719-911-19	DIODE 1SS119
D004	8-719-911-19	DIODE 1SS119
D005	8-719-109-71	DIODE RD3.9ES-B1
D007	8-719-109-89	DIODE RD5.6ES-B2
D008	8-719-110-85	DIODE RD36ES-B4
D009	8-719-109-89	DIODE RD5.6ES-B2
D011	8-719-911-19	DIODE 1SS119
D012	8-719-911-19	DIODE 1SS119
D254	8-719-110-14	DIODE RD9.1ES-B3
D255	8-719-000-12	DIODE MC931
D256	8-719-000-12	DIODE MC931
D501	8-719-911-19	DIODE 1SS119
D504	8-719-911-55	DIODE U05G
D506	8-719-000-12	DIODE MC931
D508	8-719-911-19	DIODE 1SS119
D509	8-719-911-19	DIODE 1SS119
D511	8-719-911-55	DIODE U05G
D512	8-719-911-55	DIODE U05G
D513	8-719-109-81	DIODE RD4.7ES-B2
D591	8-719-911-19	DIODE 1SS119
D592	8-719-911-19	DIODE 1SS119
D601	8-719-946-90	DIODE KBU4JL-6088
D602	8-719-300-33	DIODE RU-3AM
D603	8-719-911-55	DIODE U05G
D604	8-719-911-55	DIODE U05G
D605	8-719-911-55	DIODE U05G
D606	8-719-300-33	DIODE RU-3AM
D607	8-719-300-33	DIODE RU-3AM
D608	8-719-901-58	DIODE RGP15J
D609	8-719-901-58	DIODE RGP15J
D610	8-719-300-59	DIODE CTU-12S
D611	8-719-900-26	DIODE ERD29-08J
D612	8-719-300-59	DIODE CTU-12S
D613	8-719-901-58	DIODE RGP15J
D614	8-719-901-58	DIODE RGP15J
D615	8-719-109-90	DIODE RD5.6ES-B3
D616	8-719-109-93	DIODE RD6.2ES-B2
D618	8-719-109-89	DIODE RD5.6ES-B2
D620	8-719-000-12	DIODE MC931
D622	8-719-911-19	DIODE 1SS119
D623	8-719-911-19	DIODE 1SS119
D627	8-719-911-19	DIODE 1SS119
D630	8-719-110-39	DIODE RD15ES-B1
D632	8-719-110-16	DIODE RD10ES-B1
D633	8-719-911-19	DIODE 1SS119
D801	8-719-300-33	DIODE RU-3AM
D802	8-719-300-33	DIODE RU-3AM
D803	8-719-300-65	DIODE ES1F
D804	8-719-911-55	DIODE U05G
D805	8-719-911-55	DIODE U05G
D806	8-719-945-80	DIODE ERC06-15S
D807	8-719-945-80	DIODE ERC06-15S
D808	8-719-900-26	DIODE ERD29-08J
D809	8-719-901-58	DIODE RGP15J
<IC>		
IC001	8-759-632-91	IC M50436-710SP
IC002	8-759-986-89	IC MB88503H-1106G
IC003	8-759-603-41	IC M58655P

REF. NO.	PART NO.	DESCRIPTION	REMARK
IC251	8-759-803-31	IC LA4280	
	*4-368-683-01	SPRING; IC251	
IC501	8-759-970-73	IC TEA2028B	
IC502	8-759-944-57	IC TDA8170	
	*4-381-724-01	HOLDER, IC; IC502	
IC601	8-759-946-23	IC TEA2164	
	*4-386-642-01	HEAT SINK, IC; IC601	
IC608	8-759-280-12	IC TA78012AP	
<COIL>			
L001	1-408-414-00	INDUCTOR 27UH	
L501	1-408-225-00	INDUCTOR 3.3UH	
L601	*1-420-872-00	COIL, AIR CORE	
L602	1-410-396-41	FERRITE BEAD INDUCTOR	
L603	1-410-396-41	FERRITE BEAD INDUCTOR	
L605	1-459-442-00	COIL (WITH CORE)	
L606	1-421-013-00	COIL (HORIZONTAL CHOKE) 25UH	
L607	1-408-421-00	INDUCTOR 100UH	
L801	1-459-111-00	COIL, DRAM CORE (CDI)	
L803	1-459-104-00	COIL, DUST CORE	
L804	1-408-239-00	INDUCTOR 4.7MMH	
L805	1-459-907-11	COIL, HORIZONTAL LINEARITY	
L806	1-459-111-00	COIL, DRAM CORE (CDI)	
L807	1-407-504-00	INDUCTOR 10MMH	
L809	*1-420-872-00	COIL, AIR CORE	
L810	1-421-794-21	TRANSFORMER, FERRITE (PMT)	
L811	1-459-406-00	COIL (WITH CORE)	
<IC LINK>			
PS601A	1-532-984-91	LINK, IC 2A	
PS602A	1-532-675-91	LINK, IC 1.5A	
<TRANSISTOR>			
Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q004	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q252	8-729-900-36	TRANSISTOR DTC124ES	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q505	8-729-140-96	TRANSISTOR 2SD774-34	
Q506	8-729-140-97	TRANSISTOR 2SB734-34	
Q507	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q591	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q598	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB	
	*4-368-683-01	SPRING; Q602	
Q603	8-729-921-54	TRANSISTOR 2SB1357-BF	
Q604	8-729-320-62	TRANSISTOR 2SD789-34	
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q607	8-729-109-53	TRANSISTOR 2SD795A	
Q609	8-729-320-62	TRANSISTOR 2SD789-34	
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q804	8-729-304-50	TRANSISTOR 2SD1941-06	
	*4-368-683-01	SPRING; Q804	
Q805	8-729-119-80	TRANSISTOR 2SC2688-LK	
<RESISTOR>			

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R001	1-249-417-11	CARBON	1K 5% 1/4W	R253	1-249-413-11	CARBON	470 5% 1/4W
R002	1-249-417-11	CARBON	1K 5% 1/4W	R255	1-249-385-11	CARBON	2.2 5% 1/4W F
R003	1-249-417-11	CARBON	1K 5% 1/4W	R256	1-249-385-11	CARBON	2.2 5% 1/4W F
R004	1-249-417-11	CARBON	1K 5% 1/4W	R260	1-249-393-11	CARBON	10 5% 1/4W
R008	1-249-417-11	CARBON	1K 5% 1/4W	R261	1-249-429-11	CARBON	10K 5% 1/4W
R009	1-249-417-11	CARBON	1K 5% 1/4W	R262	1-249-413-11	CARBON	470 5% 1/4W
R010	1-249-413-11	CARBON	470 5% 1/4W	R263	1-249-421-11	CARBON	2.2K 5% 1/4W
R011	1-249-417-11	CARBON	1K 5% 1/4W	R264	1-249-421-11	CARBON	2.2K 5% 1/4W
R012	1-249-417-11	CARBON	1K 5% 1/4W	R265	1-249-425-11	CARBON	4.7K 5% 1/4W
R013	1-249-417-11	CARBON	1K 5% 1/4W	R266	1-249-425-11	CARBON	4.7K 5% 1/4W
R017	1-249-417-11	CARBON	1K 5% 1/4W	R500	1-247-897-11	CARBON	560K 5% 1/4W
R023	1-249-429-11	CARBON	10K 5% 1/4W	R501	1-249-413-11	CARBON	470 5% 1/4W
R024	1-249-429-11	CARBON	10K 5% 1/4W	R502	1-249-409-11	CARBON	220 5% 1/4W
R031	1-249-429-11	CARBON	10K 5% 1/4W	R503	1-249-410-11	CARBON	270 5% 1/4W
R032	1-249-417-11	CARBON	1K 5% 1/4W	R504	1-215-427-00	METAL	1.8K 1% 1/6W
R033	1-249-413-11	CARBON	470 5% 1/4W	R505	1-249-431-11	CARBON	15K 5% 1/4W
R034	1-249-413-11	CARBON	470 5% 1/4W	R506	1-249-428-11	CARBON	8.2K 5% 1/4W
R035	1-249-431-11	CARBON	15K 5% 1/4W	R509	1-249-424-11	CARBON	3.9K 5% 1/4W
R036	1-249-421-11	CARBON	2.2K 5% 1/4W	R510	1-249-426-11	CARBON	5.6K 5% 1/4W
R037	1-249-417-11	CARBON	1K 5% 1/4W	R511	1-249-429-11	CARBON	10K 5% 1/4W
R038	1-249-417-11	CARBON	1K 5% 1/4W	R513	1-249-429-11	CARBON	10K 5% 1/4W
R044	1-249-429-11	CARBON	10K 5% 1/4W	R515	1-249-423-11	CARBON	3.3K 5% 1/4W
R045	1-249-417-11	CARBON	1K 5% 1/4W	R516	1-249-408-11	CARBON	180 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W
R048	1-249-417-11	CARBON	1K 5% 1/4W	R518	1-249-437-11	CARBON	47K 5% 1/4W
R049	1-249-417-11	CARBON	1K 5% 1/4W	R519	1-249-433-11	CARBON	22K 5% 1/4W
R050	1-249-433-11	CARBON	22K 5% 1/4W	R520	1-249-411-11	CARBON	330 5% 1/4W
R051	1-249-429-11	CARBON	10K 5% 1/4W	R521	1-249-405-11	CARBON	100 5% 1/4W
R052	1-249-439-11	CARBON	68K 5% 1/4W	R522	1-215-469-00	METAL	100K 1% 1/6W
R053	1-249-437-11	CARBON	47K 5% 1/4W	R523	1-249-417-11	CARBON	1K 5% 1/4W
R056	1-249-440-11	CARBON	82K 5% 1/4W	R524	1-249-421-11	CARBON	2.2K 5% 1/4W
R057	1-249-409-11	CARBON	220 5% 1/4W	R525	1-249-417-11	CARBON	1K 5% 1/4W
R058	1-249-409-11	CARBON	220 5% 1/4W	R526	1-249-409-11	CARBON	220 5% 1/4W F
R059	1-249-437-11	CARBON	47K 5% 1/4W	R527	1-249-429-11	CARBON	10K 5% 1/4W
R060	1-249-436-11	CARBON	39K 5% 1/4W	R528	1-249-408-11	CARBON	180 5% 1/4W
R062	1-249-411-11	CARBON	330 5% 1/4W	R529	1-249-427-11	CARBON	6.8K 5% 1/4W
R063	1-249-431-11	CARBON	15K 5% 1/4W	R530	1-249-448-11	CARBON	1.2 5% 1/4W F
R064	1-249-429-11	CARBON	10K 5% 1/4W	R531	1-247-883-00	CARBON	150K 5% 1/4W
R068	1-249-421-11	CARBON	2.2K 5% 1/4W	R532	1-249-417-11	CARBON	1K 5% 1/4W
R069	1-249-423-11	CARBON	3.3K 5% 1/4W	R534	1-247-901-11	CARBON	820K 5% 1/4W
R070	1-249-417-11	CARBON	1K 5% 1/4W	R536	1-249-749-00	CARBON	2.2M 5% 1/4W
R071	1-249-417-11	CARBON	1K 5% 1/4W	R537	1-249-434-11	CARBON	27K 5% 1/4W
R072	1-249-417-11	CARBON	1K 5% 1/4W	R538	1-247-883-00	CARBON	150K 5% 1/4W
R073	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R075	1-249-417-11	CARBON	1K 5% 1/4W	R540	1-249-399-11	CARBON	33 5% 1/4W
R077	1-249-413-11	CARBON	470 5% 1/4W	R541	1-249-438-11	CARBON	56K 5% 1/4W
R078	1-249-423-11	CARBON	3.3K 5% 1/4W	R542	1-249-425-11	CARBON	4.7K 5% 1/4W
R079	1-249-435-11	CARBON	33K 5% 1/4W	R543	1-249-451-11	CARBON	2.2 5% 1/4W
R080	1-249-429-11	CARBON	10K 5% 1/4W	R544	1-247-745-11	CARBON	330 5% 1/2W
R081	1-249-441-11	CARBON	100K 5% 1/4W	R545	1-249-433-11	CARBON	22K 5% 1/4W
R083	1-249-429-11	CARBON	10K 5% 1/4W	R546	1-249-436-11	CARBON	39K 5% 1/4W
R084	1-249-413-11	CARBON	470 5% 1/4W	R547	1-249-423-11	CARBON	3.3K 5% 1/4W
R085	1-249-429-11	CARBON	10K 5% 1/4W	R548	1-216-349-00	METAL OXIDE	1 5% 1W F
R086	1-249-417-11	CARBON	1K 5% 1/4W	R549	1-216-454-11	METAL OXIDE	390 5% 2W F
R087	1-249-417-11	CARBON	1K 5% 1/4W	R550	1-249-440-11	CARBON	82K 5% 1/4W
R088	1-249-425-11	CARBON	4.7K 5% 1/4W	R551	1-249-749-00	CARBON	2.2M 5% 1/4W
R090	1-249-413-11	CARBON	470 5% 1/4W	R553	1-216-869-11	METAL OXIDE	1K 5% 1W
R091	1-249-409-11	CARBON	220 5% 1/4W	R554	1-249-411-11	CARBON	330 5% 1/4W
R093	1-249-429-11	CARBON	10K 5% 1/4W	R555	1-249-749-00	CARBON	2.2M 5% 1/4W
R094	1-249-429-11	CARBON	10K 5% 1/4W	R556	1-249-405-11	CARBON	100 5% 1/4W
R097	1-249-429-11	CARBON	10K 5% 1/4W	R557	1-249-425-11	CARBON	4.7K 5% 1/4W
R098	1-249-429-11	CARBON	10K 5% 1/4W	R558	1-247-895-00	CARBON	470K 5% 1/4W
R251	1-249-417-11	CARBON	1K 5% 1/4W	R559	1-249-427-11	CARBON	6.8K 5% 1/4W
R252	1-249-413-11	CARBON	470 5% 1/4W				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

D **H10** **KS**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R560	1-249-411-11	CARBON	330 5% 1/4W	R829	1-249-411-11	CARBON	330 5% 1/4W
R591	1-249-427-11	CARBON	6.8K 5% 1/4W	R830	1-249-429-11	CARBON	10K 5% 1/4W
R592	1-249-429-11	CARBON	10K 5% 1/4W	R831	1-249-451-11	CARBON	2.2 5% 1/4W
R593	1-249-429-11	CARBON	10K 5% 1/4W	R832	1-216-379-11	METAL OXIDE	6.8 5% 2W F
R594	1-249-424-11	CARBON	3.9K 5% 1/4W	R1001	1-249-421-11	CARBON	2.2K 5% 1/4W
R595	1-249-417-11	CARBON	1K 5% 1/4W	R1002	1-247-719-11	CARBON	3.3K 5% 1/4W
R596	1-249-425-11	CARBON	4.7K 5% 1/4W	R1006	1-249-408-11	CARBON	180 5% 1/4W
R597	1-249-425-11	CARBON	4.7K 5% 1/4W	R1007	1-249-408-11	CARBON	180 5% 1/4W
R602	1-216-465-11	METAL OXIDE	27K 5% 2W F	R1011	1-249-413-11	CARBON	470 5% 1/4W
R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F	R1012	1-249-405-11	CARBON	100 5% 1/4W
R604	1-249-414-11	CARBON	560 5% 1/4W	R1100	1-249-425-11	CARBON	4.7K 5% 1/4W
R605	1-215-469-00	METAL	100K 1% 1/6W	R5501	1-249-429-11	CARBON	10K 5% 1/4W
R606	1-215-442-00	METAL	7.5K 1% 1/6W	R5502	1-249-417-11	CARBON	1K 5% 1/4W
R607	1-249-434-11	CARBON	27K 5% 1/4W	R5503	1-249-389-11	CARBON	4.7 5% 1/4W
R608	1-216-490-11	METAL OXIDE	39K 5% 3W F	R5504	1-247-903-00	CARBON	1M 5% 1/4W
R609	1-249-401-11	CARBON	47 5% 1/4W	R5505	1-249-393-11	CARBON	10 5% 1/4W
R610	1-249-385-11	CARBON	2.2 5% 1/4W F	<VARIABLE RESISTOR>			
R611	1-249-385-11	CARBON	2.2 5% 1/4W F	RV501	1-238-013-11	RES. ADJ. CARBON 2.2K	
R612	1-207-905-00	WIREWOUND	0.27 10% 2W F	RV502	1-238-016-11	RES. ADJ. CARBON 10K	
R613	1-249-401-11	CARBON	47 5% 1/4W	<SPARK GAP>			
R614	1-205-758-11	WIREWOUND	100 10% 10W F	SG801	1-519-422-11	GAP, SPARK	
R616	1-249-417-11	CARBON	1K 5% 1/4W	<TRANSFORMER>			
R617	1-249-411-11	CARBON	330 5% 1/4W	T601 Δ	1-448-961-21	S.R.T	
R618	1-216-431-11	METAL OXIDE	560 5% 1W	T602	1-424-011-11	TRANSFORMER, PULSE	
R619	1-249-429-11	CARBON	10K 5% 1/4W	T801	1-437-090-00	HDT	
R620	1-249-433-11	CARBON	22K 5% 1/4W	T802 Δ	1-439-418-41	TRANSFORMER ASSY. FLYBACK (UX-1616)	
R621	1-249-431-11	CARBON	15K 5% 1/4W	*****			
R622	1-249-429-11	CARBON	10K 5% 1/4W	*1-630-632-23	H10 BOARD		
R623	1-249-377-11	CARBON	0.47 5% 1/4W F	*****			
R624	1-249-411-11	CARBON	330 5% 1/4W	<CONNECTOR>			
R625	1-215-865-11	METAL OXIDE	220 5% 1W	H101	*1-564-521-11	PLUG, CONNECTOR 6P	
R626	1-249-411-11	CARBON	330 5% 1/4W	<SWITCH>			
R628	1-249-393-11	CARBON	10 5% 1/4W	S1401	1-554-937-11	SWITCH, KEY BOARD	
R629	1-249-411-11	CARBON	330 5% 1/4W	S1402	1-554-937-11	SWITCH, KEY BOARD	
R630	1-249-437-11	CARBON	47K 5% 1/4W	S1403	1-554-937-11	SWITCH, KEY BOARD	
R633	1-249-405-11	CARBON	100 5% 1/4W	S1404	1-554-937-11	SWITCH, KEY BOARD	
R636	1-249-429-11	CARBON	10K 5% 1/4W	S1405	1-554-937-11	SWITCH, KEY BOARD	
R642	1-216-343-00	METAL OXIDE	0.33 5% 1W F	*****			
R643	1-217-192-21	WIREWOUND	0.22 10% 2W F	*1-629-781-22	KS BOARD		
R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	*****			
R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W F	<CAPACITOR>			
R649	1-249-385-11	CARBON	2.2 5% 1/4W	C202	1-124-902-00	ELECT	0.47MF 20% 50V
R650	1-249-417-11	CARBON	1K 5% 1/4W	C204	1-124-902-00	ELECT	0.47MF 20% 50V
R651	1-249-405-11	CARBON	100 5% 1/4W	C213	1-126-233-11	ELECT	22MF 20% 50V
R652	1-247-903-00	CARBON	1M 5% 1/4W	C214	1-106-363-00	MYLAR	0.0068MF 10% 400V
R653	1-205-758-11	WIREWOUND	100 10% 10W F	C217	1-106-363-00	MYLAR	0.0068MF 10% 400V
R802	1-249-443-11	CARBON	0.47 5% 1/4W F	C218	1-106-375-12	MYLAR	0.022MF 10% 250V
R805	1-249-448-11	CARBON	1.2 5% 1/4W F	C219	1-106-375-12	MYLAR	0.022MF 10% 250V
R806	1-249-439-11	CARBON	68K 5% 1/4W	C220	1-108-620-11	MYLAR	0.0033MF 10% 100V
R807	1-216-869-11	METAL OXIDE	1K 5% 1W	C221	1-108-620-11	MYLAR	0.0033MF 10% 100V
R809	1-202-821-11	SOLID	1.8K 10% 1/2W				
R810	1-202-818-00	SOLID	1K 10% 1/2W				
R811	1-215-882-00	METAL OXIDE	22 5% 2W F				
R812	1-249-494-11	CARBON	68K 5% 1/2W				
R815	1-215-884-11	METAL OXIDE	47 5% 2W F				
R816	1-215-868-00	METAL OXIDE	680 5% 1W				
R817	1-249-417-11	CARBON	1K 5% 1/4W				
R820	1-249-403-11	CARBON	68 5% 1/4W				
R821	1-247-725-11	CARBON	10K 5% 1/4W F				
R822	1-217-778-11	FUSIBLE	1K 5% 1W F				
R825	1-216-342-11	METAL OXIDE	0.27 5% 1W F				
R826	1-249-441-11	CARBON	100K 5% 1/4W				
R827	1-249-429-11	CARBON	10K 5% 1/4W				
R828	1-249-423-11	CARBON	3.3K 5% 1/4W				

KS

J3

J1

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C222	1-106-385-00	MYLAR	0.056MF 10% 100V			<CONNECTOR>	
C223	1-106-385-00	MYLAR	0.056MF 10% 100V	J33	*1-564-519-11	PLUG, CONNECTOR 4P	
C224	1-106-367-00	MYLAR	0.01MF 10% 400V	J342	*1-564-519-11	PLUG, CONNECTOR 4P	
C225	1-136-173-00	FILM	0.47MF 5% 50V			<JACK>	
C226	1-136-173-00	FILM	0.47MF 5% 50V	J1401	1-507-806-00	JACK 1P	
C227	1-106-375-12	MYLAR	0.022MF 10% 250V			<RESISTOR>	
C228	1-106-379-12	MYLAR	0.033MF 10% 250V	R1401	1-249-413-11	CARBON 470 5% 1/4W	
C229	1-106-371-00	MYLAR	0.015MF 10% 400V	R1402	1-249-413-11	CARBON 470 5% 1/4W	
C230	1-106-371-00	MYLAR	0.015MF 10% 400V	R1433	1-216-431-11	METAL OXIDE 560 5% 1W	
C231	1-124-902-00	ELECT	0.47MF 20% 50V	R1434	1-216-431-11	METAL OXIDE 560 5% 1W	
C232	1-123-875-11	ELECT	10MF 20% 50V			*****	
C233	1-102-114-00	CERAMIC	470PF 10% 50V			*A-1388-098-A J1 BOARD, COMPLETE	
C234	1-102-114-00	CERAMIC	470PF 10% 50V			*****	
C235	1-102-114-00	CERAMIC	470PF 10% 50V			<CAPACITOR>	
C236	1-102-114-00	CERAMIC	470PF 10% 50V	C1401	1-123-875-11	ELECT 10MF 20% 50V	
C237	1-124-902-00	ELECT	0.47MF 20% 50V	C1402	1-126-103-11	ELECT 470MF 20% 16V	
C238	1-102-978-00	CERAMIC	220PF 5% 50V	C1403	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
C239	1-126-103-11	ELECT	470MF 20% 16V	C1404	1-126-163-11	ELECT 4.7MF 20% 50V	
		<DIODE>		C1405	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
D205	8-719-110-04	DIODE RD7.5ES-B3		C1406	1-126-163-11	ELECT 4.7MF 20% 50V	
D206	8-719-110-04	DIODE RD7.5ES-B3		C1407	1-124-477-11	ELECT 47MF 20% 16V	
		<IC>		C1408	1-126-101-11	ELECT 100MF 20% 16V	
1C201	8-759-013-17	IC TDA6200		C1409	1-126-233-11	ELECT 22MF 20% 50V	
		<CONNECTOR>		C1410	1-126-096-11	ELECT 10MF 20% 25V	
K21	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		C1411	1-126-096-11	ELECT 10MF 20% 25V	
		<RESISTOR>		C1412	1-124-589-11	ELECT 47MF 20% 16V	
R204	1-249-435-11	CARBON 33K 5% 1/4W		C1413	1-124-589-11	ELECT 47MF 20% 16V	
R205	1-249-435-11	CARBON 33K 5% 1/4W		C1414	1-124-477-11	ELECT 47MF 20% 16V	
R206	1-249-423-11	CARBON 3.3K 5% 1/4W		C1415	1-124-927-11	ELECT 4.7MF 20% 50V	
R207	1-249-423-11	CARBON 3.3K 5% 1/4W		C1416	1-124-927-11	ELECT 4.7MF 20% 50V	
R208	1-249-431-11	CARBON 15K 5% 1/4W		C1417	1-124-120-11	ELECT 220MF 20% 16V	
R209	1-249-433-11	CARBON 22K 5% 1/4W		C1418	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
R210	1-249-431-11	CARBON 15K 5% 1/4W		C1419	1-163-003-11	CERAMIC CHIP 330PF 10% 50V	
R211	1-249-441-11	CARBON 100K 5% 1/4W		C1427	1-124-927-11	ELECT 4.7MF 20% 50V	
R212	1-249-433-11	CARBON 22K 5% 1/4W		C1428	1-124-477-11	ELECT 47MF 20% 16V	
R213	1-249-431-11	CARBON 15K 5% 1/4W		C1429	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
R214	1-249-417-11	CARBON 1K 5% 1/4W		C1430	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
R215	1-249-433-11	CARBON 22K 5% 1/4W		C1431	1-124-927-11	ELECT 4.7MF 20% 50V	
R216	1-249-433-11	CARBON 22K 5% 1/4W		C1432	1-124-927-11	ELECT 4.7MF 20% 50V	
R217	1-249-431-11	CARBON 15K 5% 1/4W		C1433	1-124-927-11	ELECT 4.7MF 20% 50V	
R218	1-249-417-11	CARBON 1K 5% 1/4W		C1436	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
R219	1-249-429-11	CARBON 10K 5% 1/4W		C1437	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
R225	1-249-417-11	CARBON 1K 5% 1/4W		C1439	1-124-477-11	ELECT 47MF 20% 16V	
R226	1-249-417-11	CARBON 1K 5% 1/4W		C1440	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
R227	1-249-417-11	CARBON 1K 5% 1/4W		C1441	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	
R228	1-249-417-11	CARBON 1K 5% 1/4W		C1442	1-124-927-11	ELECT 4.7MF 20% 50V	
		*****		C1443	1-124-927-11	ELECT 4.7MF 20% 50V	
	*1-630-634-23	J3 BOARD		C1444	1-124-477-11	ELECT 47MF 20% 16V	
		*****		C1445	1-124-477-11	ELECT 47MF 20% 16V	
		<CAPACITOR>		C1447	1-123-875-11	ELECT 10MF 20% 50V	
C1431	1-126-105-11	ELECT 1000MF 20% 35V		C1448	1-124-477-11	ELECT 47MF 20% 16V	
C1432	1-126-105-11	ELECT 1000MF 20% 35V		C1449	1-124-477-11	ELECT 47MF 20% 16V	
				C1450	1-124-589-11	ELECT 47MF 20% 16V	
				C1451	1-123-875-11	ELECT 10MF 20% 50V	
				C1452	1-163-005-11	CERAMIC CHIP 470PF 10% 50V	

J1

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1453	1-123-875-11	ELECT 10MF	20% 50V	D1505	8-719-800-76	DIODE 1SS226	
C1454	1-126-101-11	ELECT 100MF	20% 16V	D1506	8-719-420-60	DIODE MA3360	
C1455	1-124-902-00	ELECT 0.47MF	20% 50V	D1507	8-719-400-18	DIODE MA152WK	
C1456	1-164-232-11	CERAMIC CHIP 0.01MF	50V	D1509	8-719-400-18	DIODE MA152WK	
C1457	1-124-589-11	ELECT 47MF	20% 16V	D1552	8-719-300-33	DIODE RU-3AM	
C1459	1-124-589-11	ELECT 47MF	20% 16V	<IC>			
C1460	1-126-103-11	ELECT 470MF	20% 16V	IC1401	8-752-032-27	IC CXA1114P	
C1461	1-164-232-11	CERAMIC CHIP 0.01MF	50V	IC1402	8-759-946-32	IC TEA2014A	
C1469	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	IC1403	8-752-006-12	IC CX20061	
C1479	1-124-589-11	ELECT 47MF	20% 16V	IC1404	8-752-006-12	IC CX20061	
C1480	1-106-367-00	MYLAR 0.01MF	10% 200V	IC1405	8-752-006-12	IC CX20061	
C1481	1-106-367-00	MYLAR 0.01MF	10% 200V	IC1501	8-759-942-16	IC TEA2031A	
C1501	1-123-875-11	ELECT 10MF	20% 50V	<CONNECTOR>			
C1502	1-123-875-11	ELECT 10MF	20% 50V	J41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
C1503	1-108-614-11	MYLAR 0.001MF	10% 100V	J45	*1-564-520-11	PLUG, CONNECTOR 5P	
C1504	1-124-910-11	ELECT 47MF	20% 50V	J51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
C1505	1-106-216-00	MYLAR 0.068MF	10% 100V	J132	*1-564-519-11	PLUG, CONNECTOR 4P	
C1507	1-108-620-11	MYLAR 0.0033MF	10% 100V	J133	*1-564-517-11	PLUG, CONNECTOR 2P	
C1508	1-123-875-11	ELECT 10MF	20% 50V	J142	*1-564-519-11	PLUG, CONNECTOR 4P	
C1509	1-124-499-11	ELECT 1MF	20% 50V	<JACK>			
C1511	1-123-875-11	ELECT 10MF	20% 50V	J1401	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT	
C1512	1-106-363-00	MYLAR 0.0068MF	10% 400V	J1402	1-561-534-41	SOCKET 21P	
C1513	1-163-169-00	CERAMIC CHIP 33PF	5% 50V	J1403	1-563-760-11	JACK, MINIATURE (DIA. 3.5)	
C1551	1-163-181-00	CERAMIC CHIP 100PF	5% 50V	J1404	1-563-547-11	JACK BLOCK, PIN (BNC) 3P	
C1552	1-124-122-11	ELECT 100MF	20% 50V	J1405	1-535-741-11	TERMINAL, S	
C1553	1-163-007-11	CERAMIC CHIP 680PF	10% 50V	J1406	1-565-838-11	PIN JACK BLOCK 2P	
C1561	1-123-875-11	ELECT 10MF	20% 50V	J1407	1-561-534-41	SOCKET 21P	
C1562	1-123-875-11	ELECT 10MF	20% 50V	<COIL>			
C1563	1-123-875-11	ELECT 10MF	20% 50V	L1401	1-412-043-11	INDUCTOR, WIDE BAND	
C1564	1-123-875-11	ELECT 10MF	20% 50V	L1402	1-412-043-11	INDUCTOR, WIDE BAND	
<DIODE>				L1403	1-408-409-00	INDUCTOR 10UH	
D1401	8-719-106-62	DIODE RD11M-B2		L1405	1-408-409-00	INDUCTOR 10UH	
D1403	8-719-106-23	DIODE RD7.5M-B2		L1406	1-408-409-00	INDUCTOR 10UH	
D1404	8-719-106-23	DIODE RD7.5M-B2		<TRANSISTOR>			
D1405	8-719-106-23	DIODE RD7.5M-B2		Q1401	8-729-216-22	TRANSISTOR 2SA1162	
D1406	8-719-106-23	DIODE RD7.5M-B2		Q1402	8-729-216-22	TRANSISTOR 2SA1162	
D1407	8-719-106-62	DIODE RD11M-B2		Q1403	8-729-271-22	TRANSISTOR 2SC2712-G	
D1408	8-719-106-44	DIODE RD9.1M-B2		Q1404	8-729-271-22	TRANSISTOR 2SC2712-G	
D1409	8-719-106-44	DIODE RD9.1M-B2		Q1405	8-729-271-22	TRANSISTOR 2SC2712-G	
D1410	8-719-106-44	DIODE RD9.1M-B2		Q1409	8-729-271-22	TRANSISTOR 2SC2712-G	
D1415	8-719-106-23	DIODE RD7.5M-B2		Q1410	8-729-271-22	TRANSISTOR 2SC2712-G	
D1418	8-719-106-23	DIODE RD7.5M-B2		Q1411	8-729-271-22	TRANSISTOR 2SC2712-G	
D1419	8-719-106-62	DIODE RD11M-B2		Q1412	8-729-271-22	TRANSISTOR 2SC2712-G	
D1420	8-719-106-44	DIODE RD9.1M-B2		Q1551	8-729-271-22	TRANSISTOR 2SC2712-G	
D1421	8-719-106-23	DIODE RD7.5M-B2		Q1552	8-729-140-96	TRANSISTOR 2SD774-34	
D1422	8-719-106-44	DIODE RD9.1M-B2		<RESISTOR>			
D1423	8-719-106-23	DIODE RD7.5M-B2		R1401	1-216-172-00	METAL GLAZE 82 5% 1/8W	
D1424	8-719-106-23	DIODE RD7.5M-B2		R1402	1-216-170-00	METAL GLAZE 68 5% 1/8W	
D1425	8-719-106-23	DIODE RD7.5M-B2		R1403	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
D1426	8-719-106-23	DIODE RD7.5M-B2		R1404	1-216-041-00	METAL GLAZE 470 5% 1/10W	
D1427	8-719-106-44	DIODE RD9.1M-B2		R1405	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
D1428	8-719-106-44	DIODE RD9.1M-B2					
D1429	8-719-106-23	DIODE RD7.5M-B2					
D1430	8-719-106-62	DIODE RD11M-B2					
D1431	8-719-106-62	DIODE RD11M-B2					
D1432	8-719-400-43	DIODE MA3051M					
D1435	8-719-106-23	DIODE RD7.5M-B2					
D1436	8-719-106-23	DIODE RD7.5M-B2					
D1437	8-719-106-23	DIODE RD7.5M-B2					
D1501	8-719-400-18	DIODE MA152WK					
D1502	8-719-400-18	DIODE MA152WK					
D1504	8-719-400-18	DIODE MA152WK					

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1407	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1495	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1408	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1496	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R1409	1-216-041-00	METAL GLAZE 470 5%	1/10W	R1497	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R1410	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1501	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1411	1-216-041-00	METAL GLAZE 470 5%	1/10W	R1502	1-216-232-00	METAL GLAZE 27K 5%	1/8W
R1412	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1503	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1413	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1504	1-216-234-00	METAL GLAZE 33K 5%	1/8W
R1414	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1505	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1415	1-216-047-00	METAL GLAZE 820 5%	1/10W	R1506	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1416	1-216-047-00	METAL GLAZE 820 5%	1/10W	R1509	1-216-254-00	METAL GLAZE 220K 5%	1/8W
R1417	1-216-172-00	METAL GLAZE 82 5%	1/8W	R1510	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W
R1418	1-247-738-11	CARBON 82 5%	1/2W F	R1511	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R1419	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1512	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1420	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1513	1-216-240-00	METAL GLAZE 56K 5%	1/8W
R1422	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1514	1-216-198-00	METAL GLAZE 1K 5%	1/8W
R1423	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1516	1-216-228-00	METAL GLAZE 18K 5%	1/8W
R1424	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1517	1-216-182-00	METAL GLAZE 220 5%	1/8W
R1425	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1518	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R1426	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1519	1-216-250-00	METAL GLAZE 150K 5%	1/8W
R1427	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1520	1-216-262-00	METAL GLAZE 470K 5%	1/8W
R1428	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1521	1-216-214-00	METAL GLAZE 4.7K 5%	1/8W
R1429	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1522	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1433	1-216-043-00	METAL GLAZE 560 5%	1/10W	R1552	1-216-230-00	METAL GLAZE 22K 5%	1/8W
R1434	1-216-172-00	METAL GLAZE 82 5%	1/8W	R1553	1-216-434-11	METAL OXIDE 1.8K 5%	1W F
R1437	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1554	1-216-186-00	METAL GLAZE 330 5%	1/8W
R1440	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1556	1-216-216-00	METAL GLAZE 5.6K 5%	1/8W
R1441	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1558	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1442	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1559	1-216-246-00	METAL GLAZE 100K 5%	1/8W
R1443	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1560	1-216-278-00	METAL GLAZE 2.2M 5%	1/8W
R1444	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1561	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R1445	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R1562	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R1447	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1563	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1448	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1564	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R1452	1-216-039-00	METAL GLAZE 390 5%	1/10W	R1565	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R1453	1-216-039-00	METAL GLAZE 390 5%	1/10W	R1566	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1454	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1567	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R1455	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1568	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R1460	1-249-393-11	CARBON 10 5%	1/4W F	R1569	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1461	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R1570	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R1462	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1571	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R1463	1-216-103-00	METAL GLAZE 180K 5%	1/10W	R1572	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R1464	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1801	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1465	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1802	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1466	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1803	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1467	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1804	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1468	1-216-041-00	METAL GLAZE 470 5%	1/10W	R1805	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1469	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1806	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1470	1-216-103-00	METAL GLAZE 180K 5%	1/10W	R1807	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1471	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R1808	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1472	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1809	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1473	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R1810	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1474	1-216-170-00	METAL GLAZE 68 5%	1/8W	R1811	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1475	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R1812	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1476	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1813	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1477	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R1814	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1478	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R1815	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1479	1-216-041-00	METAL GLAZE 470 5%	1/10W	R1816	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1482	1-216-172-00	METAL GLAZE 82 5%	1/8W	R1817	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1489	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R1818	1-216-296-00	METAL GLAZE 0 5%	1/8W
R1490	1-216-083-00	METAL GLAZE 27K 5%	1/10W	R1819	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1491	1-216-172-00	METAL GLAZE 82 5%	1/8W	R1820	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1492	1-216-172-00	METAL GLAZE 82 5%	1/8W	R1821	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1493	1-216-033-00	METAL GLAZE 220 5%	1/10W	R1822	1-216-295-00	METAL GLAZE 0 5%	1/10W
R1494	1-216-113-00	METAL GLAZE 470K 5%	1/10W				

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The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1823	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1824	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R1825	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1826	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1827	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1828	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1829	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1830	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R1831	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R1832	1-216-295-00	METAL GLAZE 0 5% 1/10W	

<VARIABLE RESISTOR>

RV1501	1-238-023-11	RES, ADJ, CARBON 470K
RV1502	1-238-016-11	RES, ADJ, CARBON 10K
RV1503	1-238-017-11	RES, ADJ, CARBON 22K
RV1504	1-238-013-11	RES, ADJ, CARBON 2.2K
RV1505	1-238-023-11	RES, ADJ, CARBON 470K
RV1506	1-238-017-11	RES, ADJ, CARBON 22K
RV1507	1-238-009-11	RES, ADJ, CARBON 220
RV1508	1-238-016-11	RES, ADJ, CARBON 10K
RV1509	1-238-023-11	RES, ADJ, CARBON 470K

MISCELLANEOUS

Δ 1-426-398-11	COIL, DEMAGNETIZATION
Δ 1-451-313-22	DEFLECTION YOKE (Y29FXA)
1-452-032-00	MAGNET, DISK: 10MM ϕ
1-452-094-00	MAGNET, ROTATABLE DISK: 15MM ϕ
Δ 1-452-509-12	NECK ASSY, PICTURE TUBE (NA-308)
Δ 1-574-299-11	CORD, POWER (WITH CONNECTOR)
V901 Δ 8-733-823-05	PICTURE TUBE (A68JYK60X)

ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION	REMARK
1-551-475-31	CABLE ASSY	
1-551-734-11	CORD, CONNECTION (RK-74A)	
1-568-736-11	CONNECTOR, CONVERSION	
3-750-583-51	MANUAL, INSTRUCTION	
*4-384-027-01	BAG, PROTECTION	
*4-390-743-01	CUSHION (UPPER) (ASSY)	
*4-390-744-01	CUSHION (LOWER) (ASSY)	
*4-390-749-01	INDIVIDUAL CARTON	

KX-2910